

# Product Datasheet

## PTEN Antibody (706F4) NBP3-15666-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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**NBP3-15666-100ul**

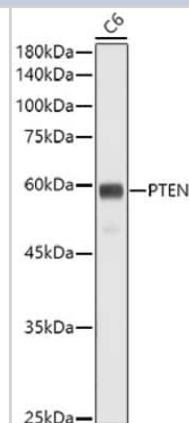
PTEN Antibody (7O6F4)

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage                     | Store at -20C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone                       | 7O6F4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preservative                | 0.02% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity                      | Affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Buffer                      | PBS (pH 7.3), 50% glycerol, 0.05% BSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Description                 | Novus Biologicals Knockout (KO) Validated Rabbit PTEN Antibody (7O6F4) (NBP3-15666) is a recombinant monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                                                                                                                                                                                                                                                         |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene ID                     | 5728                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Symbol                 | PTEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Species                     | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen                   | Recombinant fusion protein containing a sequence corresponding to amino acids 1-403 of human PTEN (P60484).<br>MTAIKEIVSRNKRRYQEDGFDLDLTYIYPNIIAMGFPAERLEGVYRNNIDDVVRF<br>LDSKHKNHYKIYNLCAERHYDTAKFNCRVAQYPFEDHNPPQLELIKPFCELDLQ<br>WLSEDDNHVAAIHCKAGKGRTGVMICAYLLHRGKFLKAQEALDFYGEVRTRDK<br>KGV TIPSQRRYVYYYSYLLKNHLDYRPVALLFHKMMFETIPMFSGGTCNPQFVV<br>CQLKVKIYSSNSGPTRREDKFM YFEFPQPLPVC GDIKVEFFHKQNKMLKKDKM<br>FHFVNTFFIPGPEETSEKVENGSLCDQEIDSICSIERADNDKEYLVLTLTKN DL<br>DKANKDKANRYFSPNFKVKLYFTKTVEEPSNPEASSSTSVTPDVS DNEPDHYR<br>YSDTTDSDPENEPFDEDQHTQITKV |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockout Validated                                                                                                                                                                                                                                                                                                                                                                                                               |
| Recommended Dilutions       | Western Blot 1:500 - 1:1000, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunoprecipitation 1:500 - 1:1000, Immunohistochemistry-Paraffin, Knockout Validated                                                                                                                                                                                                                                                                                                                                                       |

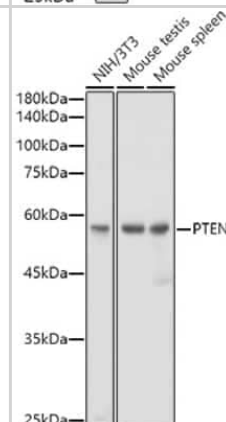


## Images

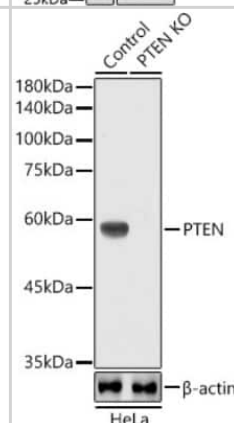
Western Blot: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of extracts of C6 cells, using PTEN antibody (NBP3-15666) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



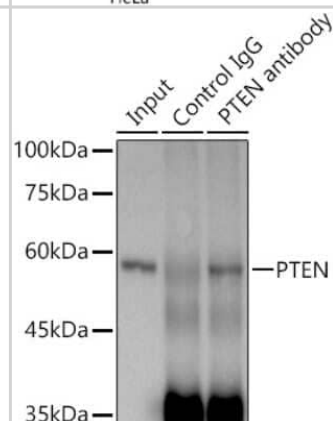
Western Blot: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of extracts of various cell lines, using PTEN antibody (NBP3-15666) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



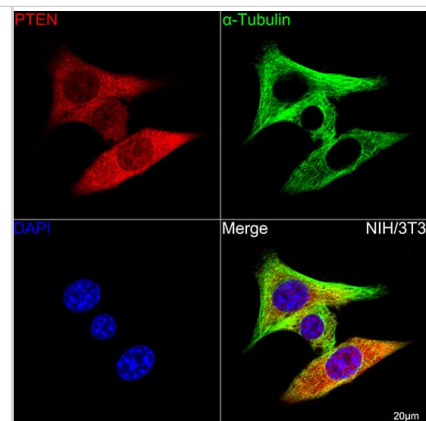
Western Blot: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of extracts from normal (control) and PTEN knockout (KO) HeLa cells, using PTEN antibody (NBP3-15666) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



Immunoprecipitation: PTEN Antibody (7O6F4) [NBP3-15666] - Analysis of 300ug extracts of NIH/3T3 cells using 3ug PTEN antibody (NBP3-15666). Western blot was performed from the immunoprecipitate using PTEN antibody (NBP3-15666) at a dilution of 1:1000.



Immunocytochemistry/ Immunofluorescence: PTEN Antibody (7O6F4) [PTEN] - Confocal imaging of NIH/3T3 cells using [KO Validated] PTEN Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . The cells were counterstained with alpha-Tubulin Mouse mAb followed by incubation with ABflo 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.





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### **Products Related to NBP3-15666-100ul**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP3-21254PEP | PTEN Recombinant Protein Antigen                    |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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