

# Product Datasheet

## PIK3CA Antibody NBP2-19804

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 4

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**NBP2-19804****PIK3CA Antibody**

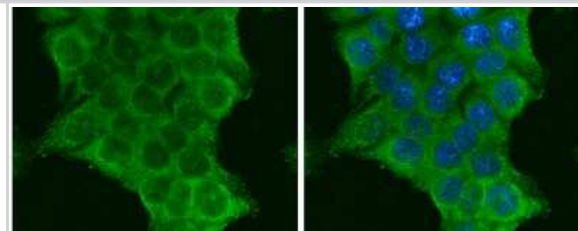
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	124 kDa

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5290
<b>Gene Symbol</b>	PIK3CA
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the N-terminus region of human PIK3CA. The exact sequence is proprietary.

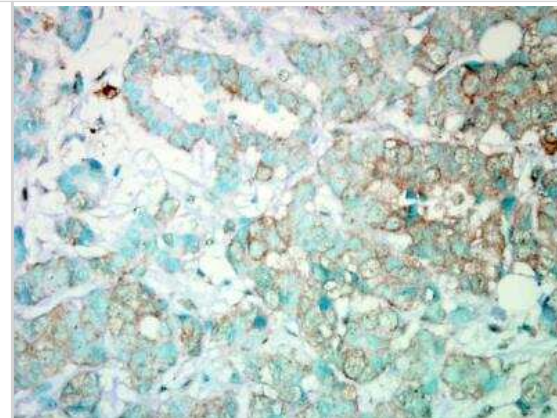
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

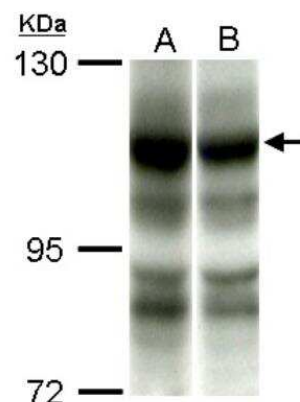
Immunocytochemistry/Immunofluorescence: PIK3CA Antibody [NBP2-19804] - HCT 116 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: PI3 kinase p110 alpha protein stained by PI3 kinase p110 alpha antibody diluted at 1:500. Blue: Hoechst 33342 staining.



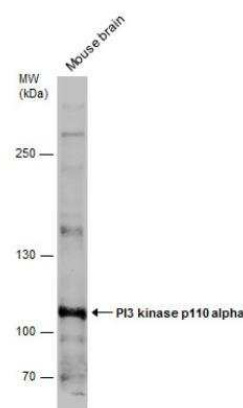
Immunohistochemistry-Paraffin: PIK3CA Antibody [NBP2-19804] - Human Breast Cancer, using PI3 kinase p110 alpha antibody. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



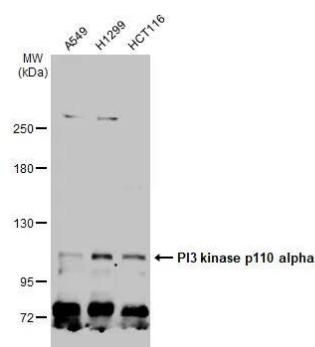
Western Blot: PIK3CA Antibody [NBP2-19804] - PIK3CA Antibody Sample (50 ug of whole cell lysate) A: C2C12 B: C2C12+AEA10mM NBP2-19804 diluted at 1:1000.



Western Blot: PIK3CA Antibody [NBP2-19804] - Mouse tissue extract (50 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with PI3 kinase p110 alpha antibody diluted at 1:3000.



Western Blot: PIK3CA Antibody [NBP2-19804] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with PIK3CA antibody (NBP2-19804) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



## Publications

Chen YH, Wu JX, Yang SF, Hsiao YH. Synergistic Combination of Luteolin and Asiatic Acid on Cervical Cancer In Vitro and In Vivo Cancers (Basel) 2023-01-16 [PMID: 36672499]

Chen YH, Wu JX, Yang SF et al. Metformin Potentiates the Anticancer Effect of Everolimus on Cervical Cancer In Vitro and In Vivo Cancers 2021-09-14 [PMID: 34572837] (WB, Mouse)

Chen YH, Huang YC, Yang SF et al. Pitavastatin and metformin synergistically activate apoptosis and autophagy in pancreatic cancer cells Environmental toxicology 2021-04-22 [PMID: 33886150]

Chen YH, Yang SF, Yang CK et al. Metformin induces apoptosis and inhibits migration by activating the AMPK/p53 axis and suppressing PI3K/AKT signaling in human cervical cancer cells Mol Med Rep 2021-01-01 [PMID: 33236135] (WB, Human)

### Details:

Western blot analysis performed on CaSki, HeLa and C33A human cell lines.





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### **Products Related to NBP2-19804**

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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
H00005290-Q01-10ug	Recombinant Human PIK3CA GST (N-Term) Protein

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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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