

# Product Datasheet

## ZBTB22 Antibody - BSA Free

### NBP1-92603

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-92603**

ZBTB22 Antibody - BSA Free

**Product Information**

|                      |  |
|----------------------|--|
| <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>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal   |
| <b>Preservative</b>  | 0.02% Sodium Azide   |
| <b>Isotype</b>       | IgG  |
| <b>Purity</b>        | Immunogen affinity purified  |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol  |

**Product Description**

|                         |   |
|-------------------------|---|
| <b>Description</b>      | Novus Biologicals Rabbit ZBTB22 Antibody - BSA Free (NBP1-92603) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-ZBTB22 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit  |
| <b>Gene ID</b>          | 9278  |
| <b>Gene Symbol</b>      | ZBTB22  |
| <b>Species</b>          | Human   |
| <b>Reactivity Notes</b> | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (80%), Rat (82%)   |
| <b>Immunogen</b>        | This antibody was developed against Recombinant Protein corresponding to amino acids:SAVGSGERRGGGPVFPAPVVGSGGATSGKLLLEADELCDDGGDGRGA VVPGAGLRRPTYTPPSIMPQKHWVYVKRGGNCPAP  |

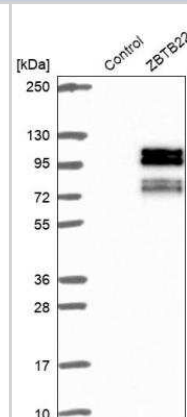
**Product Application Details**

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation-exo-Seq   |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction |
| <b>Application Notes</b>     | ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.   |

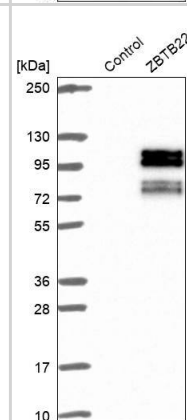


## Images

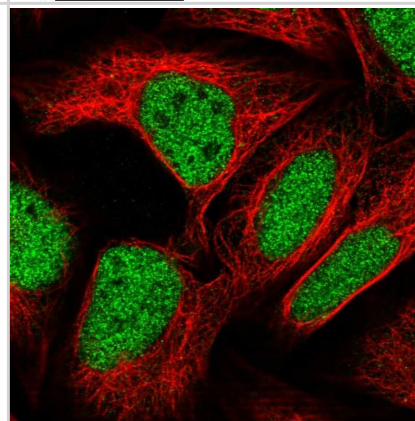
Western Blot: ZBTB22 Antibody [NBP1-92603] - Analysis in control (vector only transfected HEK293T lysate) and ZBTB22 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



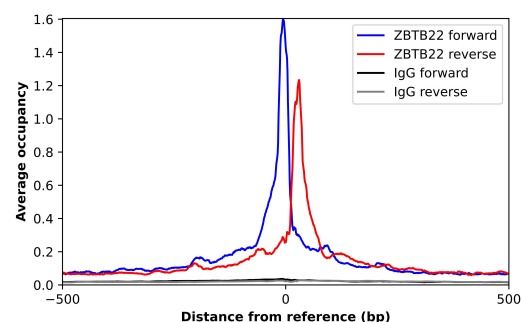
Analysis in control (vector only transfected HEK293T lysate) and ZBTB22 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



Staining of human cell line U-2 OS shows localization to nucleoplasm.



ChIP-Exo-Seq composite graph for Anti-ZBTB22 (NBP1-92603) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



## Publications

Liu N, Yang X, Guo J et al. Hepatic ZBTB22 promotes hyperglycemia and insulin resistance via PEPCK1-driven gluconeogenesis EMBO reports 2023-05-08 [PMID: 37154299]



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### **Products Related to NBP1-92603**

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|               |   |
|---------------|---|
| NBP1-92603PEP | ZBTB22 Recombinant Protein Antigen                  |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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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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