

# Product Datasheet

## PTEN Antibody (CL11722) - Azide and BSA Free NBP3-44313

Unit Size: 100 ug

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

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**NBP3-44313**

PTEN Antibody (CL11722) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL11722
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

**Product Description**

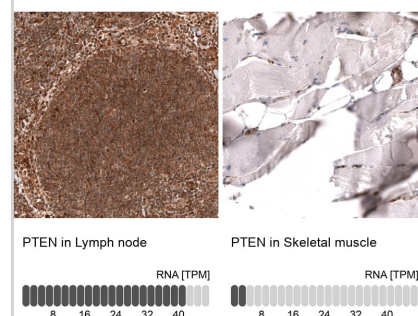
<b>Host</b>	Mouse
<b>Gene ID</b>	5728
<b>Gene Symbol</b>	PTEN
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was generated using a synthetic peptide of P60484, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

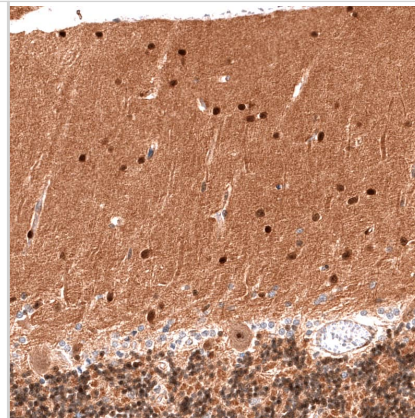
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

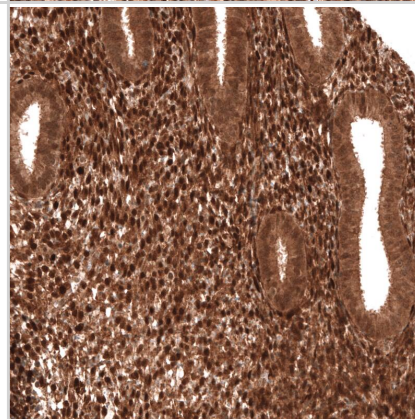
Analysis in human lymph node and skeletal muscle tissues using NBP3-44313 antibody. Corresponding PTEN RNA-seq data are presented for the same tissues.



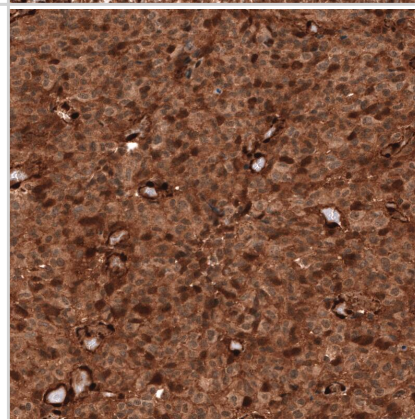
Staining of human cerebellum shows strong nuclear positivity in cells in molecular layer.



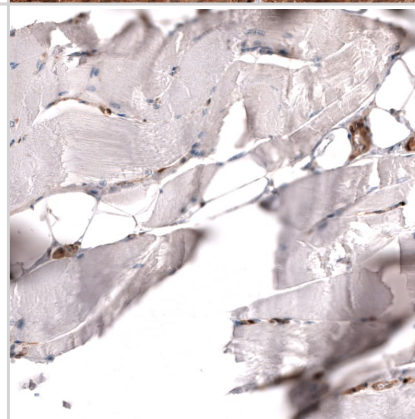
Staining of human endometrium shows strong nuclear positivity in stromal cells.



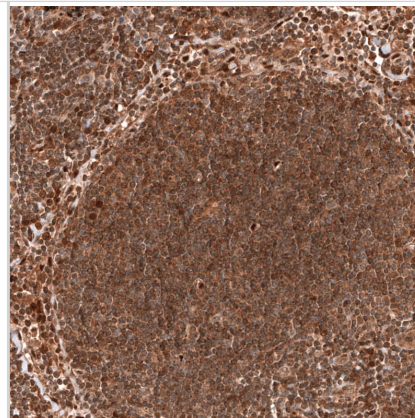
Staining of human oligodendroglioma shows strong cytoplasmic and nuclear positivity in tumor cells.



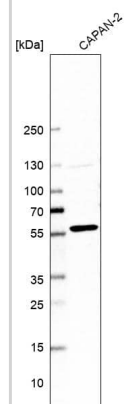
Staining of human skeletal muscle shows no positivity in myocytes as expected.



Staining of human lymph node shows strong cytoplasmic and nuclear positivity in non-germinal center cells.



Analysis in human cell line CAPAN-2.





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### **Products Related to NBP3-44313**

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

### **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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