

# Product Datasheet

## PTEN Antibody (JE51-96)

### NBP3-32873

Unit Size: 100 ul

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

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**NBP3-32873**

PTEN Antibody (JE51-96)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 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>	JE51-96
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	47 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit PTEN Antibody (JE51-96) (NBP3-32873) is a recombinant monoclonal antibody validated for use in IHC, WB and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5728
<b>Gene Symbol</b>	PTEN
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant full length protein of Human PTEN. (Uniprot: P60484)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:500



## Images

Western Blot: PTEN Antibody (JE51-96) [NBP3-32873] - Western blot analysis of PTEN on different lysates with Rabbit anti-PTEN antibody (NBP3-32873) at 1/1,000 dilution.

Lane 1: HeLa cell lysate  
 Lane 2: MCF7 cell lysate  
 Lane 3: MDA-MB-468 cell lysate (negative)  
 Lane 4: A431 cell lysate  
 Lane 5: NIH/3T3 cell lysate  
 Lane 6: C6 cell lysate  
 Lane 7: PC-12 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 47 kDa  
 Observed band size: 55 kDa

Exposure time: 2 minutes 18 seconds;

4-20% SDS-PAGE gel.

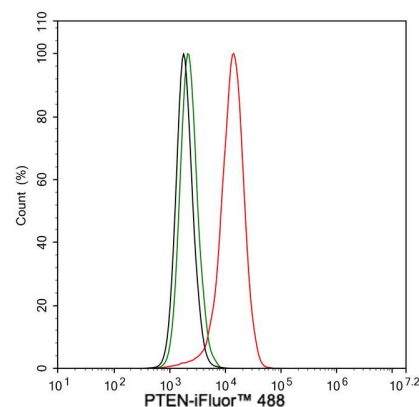
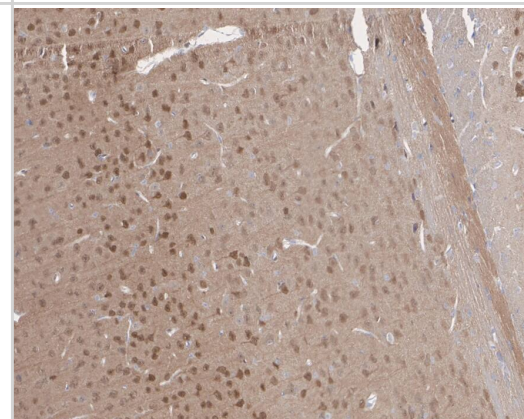
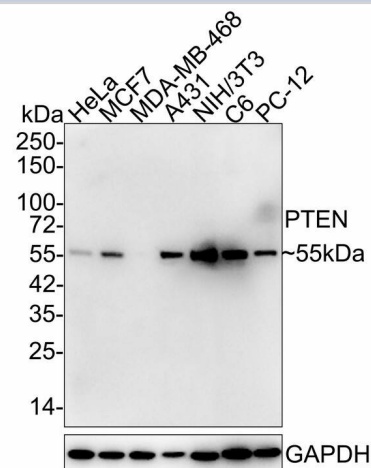
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32873) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: PTEN Antibody (JE51-96) [NBP3-32873] - Immunohistochemical analysis of paraffin-embedded mouse brain tissue with Rabbit anti-PTEN antibody (NBP3-32873) at 1/500 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32873) at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Flow Cytometry: PTEN Antibody (JE51-96) [NBP3-32873] - Flow cytometric analysis of A431 cells labeling PTEN.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32873, 1 µg/mL) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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### **Products Related to NBP3-32873**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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