

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)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JE51-96
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	47 kDa

Product Description	
Description	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.
Host	Rabbit
Gene ID	5728
Gene Symbol	PTEN
Species	Human, Mouse, Rat
Immunogen	Recombinant full length protein of Human PTEN. (Uniprot: P60484)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	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.

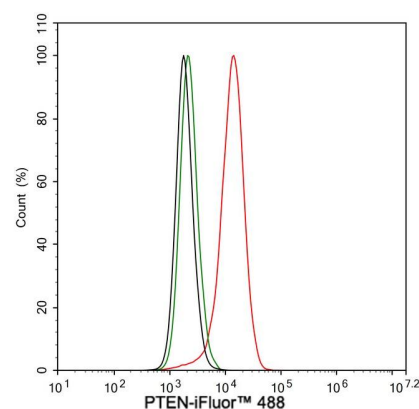
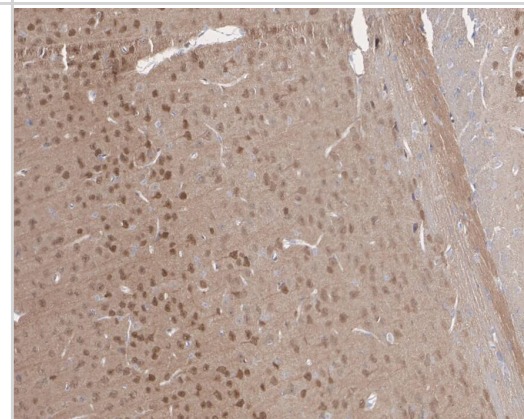
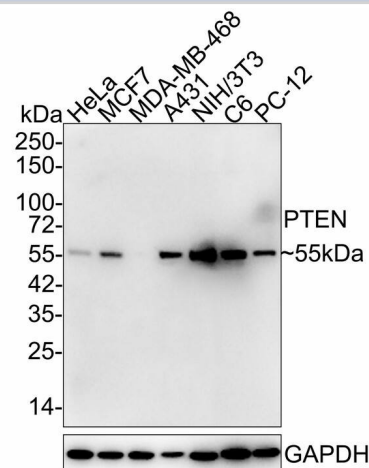
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32873) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 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 ddH₂O 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

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

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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