

Product Datasheet

SAMD9 Antibody (PSH02-75)

NBP3-32928

Unit Size: 100 ul

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

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SAMD9 Antibody (PSH02-75)

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	PSH02-75
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	184 kDa

Product Description

Host	Rabbit
Gene ID	54809
Gene Symbol	SAMD9
Species	Human
Immunogen	Recombinant protein within human SMAD9 aa 1-250 / 1,589. (Uniprot: Q5K651)

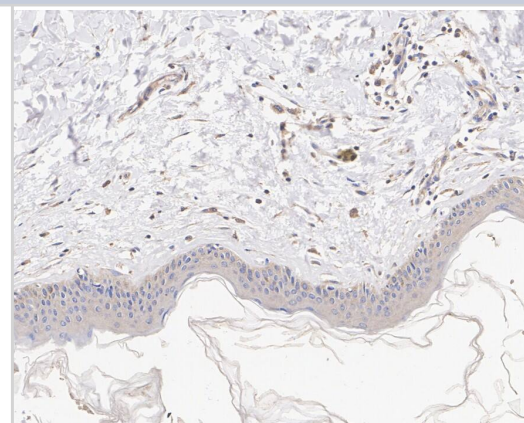
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200

Images

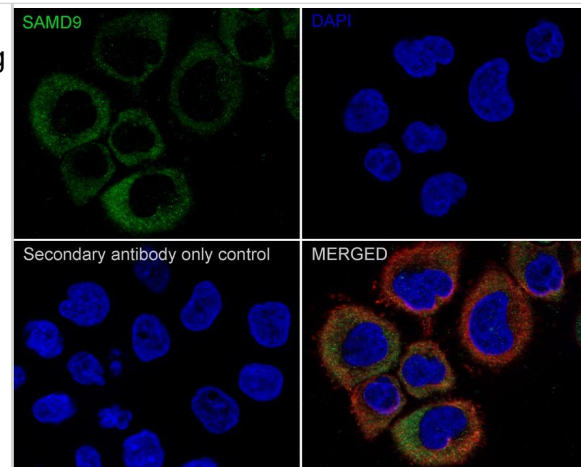
Immunohistochemistry: SAMD9 Antibody (PSH02-75) [NBP3-32928] - Immunohistochemical analysis of paraffin-embedded human skin tissue with Rabbit anti-SAMD9 antibody (NBP3-32928) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 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 (NBP3-32928) at 1/200 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.



Immunocytochemistry/ Immunofluorescence: SAMD9 Antibody (PSH02-75) [NBP3-32928] - Immunocytochemistry analysis of A431 cells labeling SAMD9 with Rabbit anti-SAMD9 antibody (NBP3-32928) at 1/100 dilution.

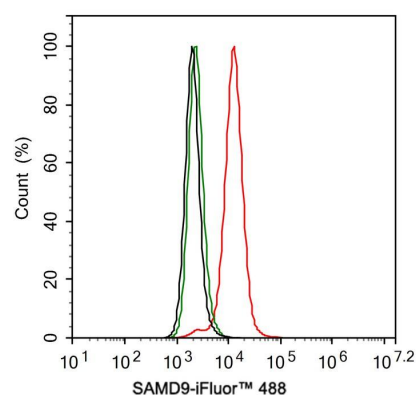
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-SAMD9 antibody (NBP3-32928) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.

Flow Cytometry: SAMD9 Antibody (PSH02-75) [NBP3-32928] - Flow cytometric analysis of A431 cells labeling SAMD9.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32928, 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).



Western Blot: SAMD9 Antibody (PSH02-75) [NBP3-32928] - Western blot analysis of SAMD9 on different lysates with Rabbit anti-SAMD9 antibody (NBP3-32928) at 1/1,000 dilution.

Lane 1: A549 cell lysate
Lane 2: HeLa cell lysate
Lane 3: A431 cell lysate
Lane 4: Raji cell lysate
Lane 5: HEK-293 cell lysate
Lane 6: MCF7 cell lysate
Lane 7: HepG2 cell lysate
Lane 8: HCT 116 cell lysate
Lane 9: U-87 MG cell lysate

Lysates/proteins at 20 µg/Lane.

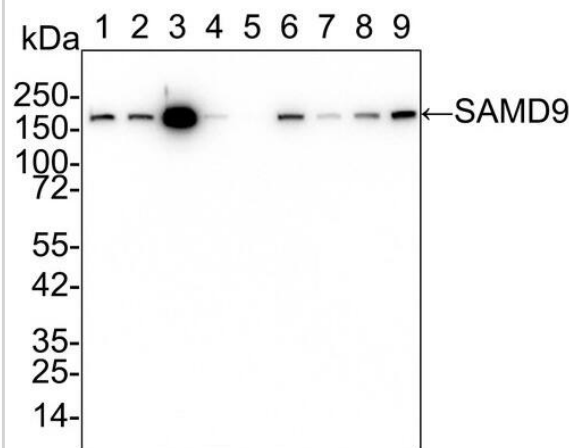
Predicted band size: 184 kDa

Observed band size: 184 kDa

Exposure time: 2 minute;

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 at 1/1,000 dilution was used in 5% NFDm/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP3-32928

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-91245PEP	SAMD9 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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