

Product Datasheet

INPP4A Antibody (PSH01-27)

NBP3-32474

Unit Size: 100 ul

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

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NBP3-32474

INPP4A Antibody (PSH01-27)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSH01-27
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	110 kDa

Product Description	
Host	Rabbit
Gene ID	3631
Gene Symbol	INPP4A
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human INPP4A aa 1-150 / 977. (Uniprot: Q96PE3)

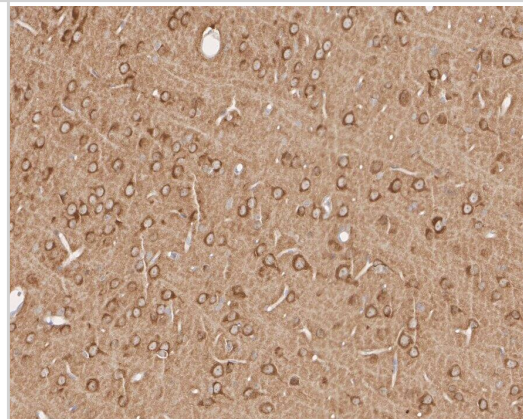
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:5000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200



Images

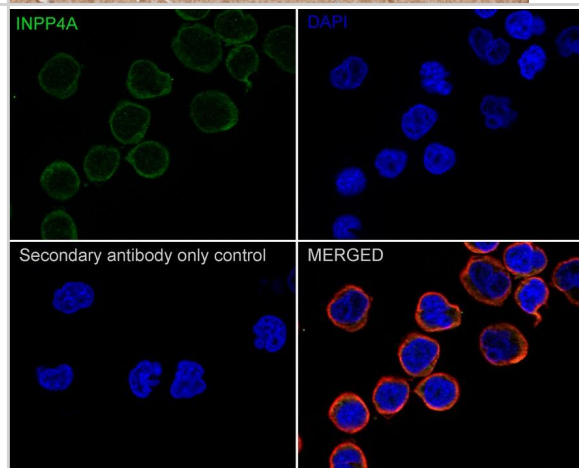
Immunohistochemistry: INPP4A Antibody (PSH01-27) [NBP3-32474] - Immunohistochemical analysis of paraffin-embedded rat brain tissue with Rabbit anti-INPP4A antibody (NBP3-32474) at 1/200 dilution.

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 (NBP3-32474) 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: INPP4A Antibody (PSH01-27) [NBP3-32474] - Immunocytochemistry analysis of Jurkat cells labeling INPP4A with Rabbit anti-INPP4A antibody (NBP3-32474) 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-INPP4A antibody (NBP3-32474) 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.

Western Blot: INPP4A Antibody (PSH01-27) [NBP3-32474] - Western blot analysis of INPP4A on different lysates with Rabbit anti-INPP4A antibody (NBP3-32474) at 1/5,000 dilution.

Lane 1: Jurkat cell lysate
Lane 2: 293T cell lysate
Lane 3: Mouse brain tissue lysate
Lane 4: Mouse liver tissue lysate (low expression)
Lane 5: Rat brain tissue lysate
Lane 6: Rat liver tissue lysate (low expression)

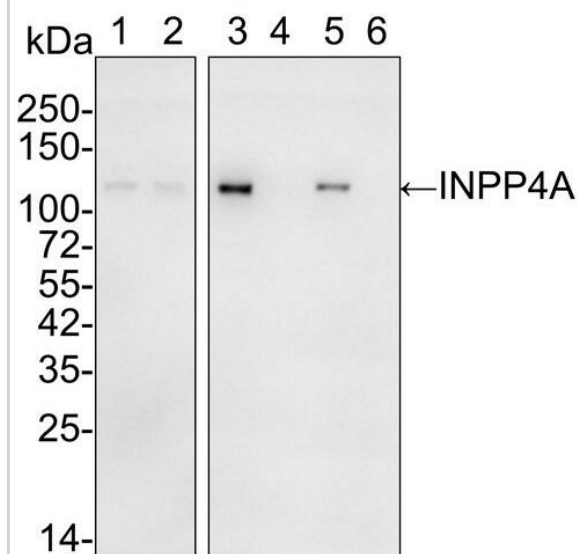
Lysates/proteins at 20 µg/Lane.

Predicted band size: 110 kDa
Observed band size: 110 kDa

Exposure time: 1 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 1/5,000 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 NBP3-32474

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-92023PEP	INPP4A 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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