

Product Datasheet

PIEZO1 Antibody (2-10-R-A) NBP3-32331

Unit Size: 100 ul

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

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NBP3-32331

PIEZO1 Antibody (2-10-R-A)

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	2-10-R-A
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	287 kDa

Product Description	
Description	Novus Biologicals Mouse PIEZO1 Antibody (2-10-R-A) (NBP3-32331) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9780
Gene Symbol	PIEZO1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human Protein PIEZO1 aa 1275-1540 / 2521. (Uniprot: Q92508)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:200-1:1000



Images

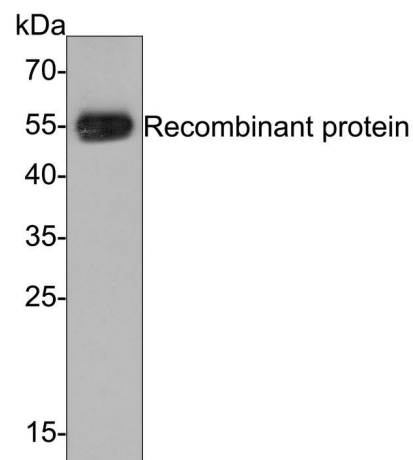
Western Blot: PIEZO1 Antibody (2-10-R-A) [NBP3-32331] - Western blot analysis of PIEZO1 on recombinant protein lysates with Mouse anti-PIEZO1 antibody (NBP3-32331) at 1/500 dilution.

Lysates/proteins at 50 ng/Lane.

Exposure time: 2 minutes;

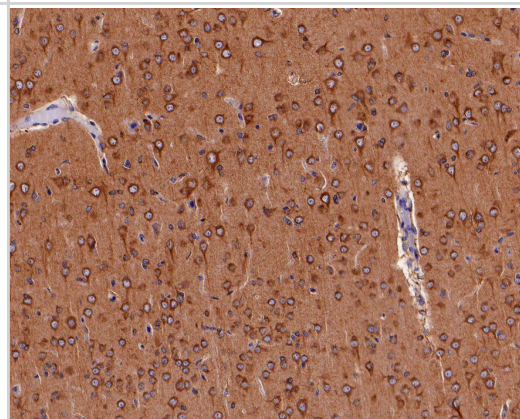
12% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFD/MTBST for 1 hour at room temperature. The primary antibody (NBP3-32331) at 1/500 dilution was used in 5% NFD/MTBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:150,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: PIEZO1 Antibody (2-10-R-A) [NBP3-32331] - Immunohistochemical analysis of paraffin-embedded rat brain tissue with Mouse anti-PIEZO1 antibody (NBP3-32331) at 1/1,000 dilution.

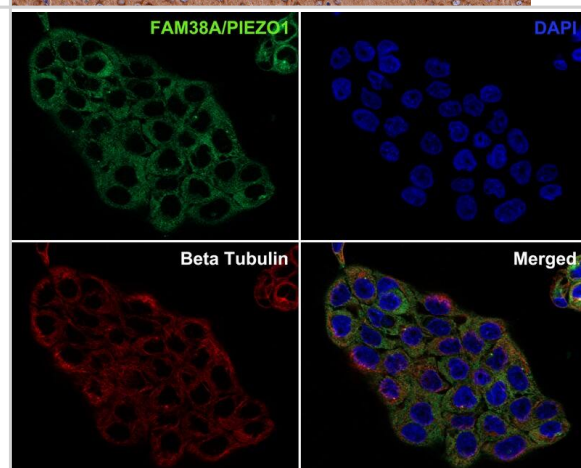
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32331) at 1/1,000 dilution for 1 hour at room 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: PIEZO1 Antibody (2-10-R-A) [NBP3-32331] - Immunocytochemistry analysis of A431 cells labeling PIEZO1 with Mouse anti-PIEZO1 antibody (NBP3-32331) at 1/200 dilution.

Cells were fixed in 4% paraformaldehyde for 30 minutes, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Mouse anti-PIEZO1 antibody (NBP3-32331) at 1/200 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclear DNA was labelled in blue with DAPI.

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





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Products Related to NBP3-32331

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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