Product Datasheet

Pannexin-1 Antibody (JE38-97)
NBP3-32714

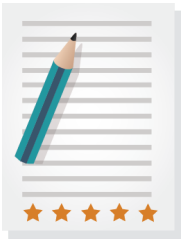
Unit Size: 100 ul

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

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-32714

Updated 9/9/2025 v.20.1



NBP3-32714

Pannexin-1 Antibody (JE38-97)

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	JE38-97
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	24 kDa

Product Description	
Description	Novus Biologicals Rabbit Pannexin-1 Antibody (JE38-97) (NBP3-32714) 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	Rabbit
Gene ID	24145
Gene Symbol	PANX1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Pannexin-1 aa 377-426 / 426. (Uniprot: Q96RD7)

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

Images

Western Blot: Pannexin-1 Antibody (JE38-97) [NBP3-32714] - Western blot analysis of Pannexin-1 on different lysates with Rabbit anti-Pannexin-1 antibody (NBP3-32714) at 1/1,000 dilution.

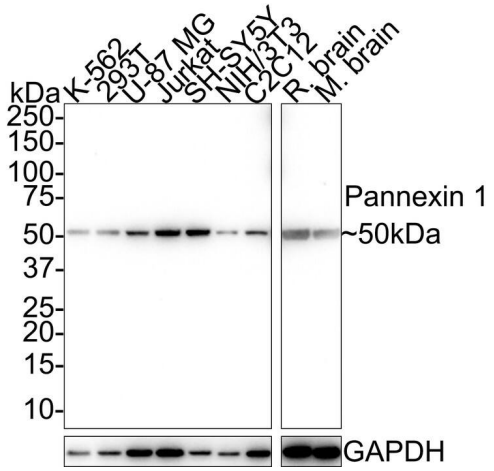
Lane 1: K-562 cell lysate (20 ug/Lane)
Lane 2: 293T cell lysate (20 ug/Lane)
Lane 3: U-87 MG cell lysate (20 ug/Lane)
Lane 4: Jurkat cell lysate (20 ug/Lane)
Lane 5: SH-SY5Y cell lysate (20 ug/Lane)
Lane 6: NIH/3T3 cell lysate (20 ug/Lane)
Lane 7: C2C12 cell lysate (20 ug/Lane)
Lane 8: Rat brain tissue lysate (40 ug/Lane)
Lane 9: Mouse brain tissue lysate (40 ug/Lane)

Predicted band size: 48 kDa
Observed band size: 50 kDa

Exposure time: 1 minutes;

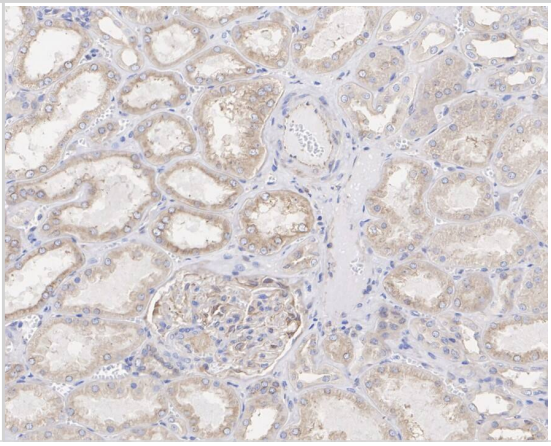
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32714) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:50,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: Pannexin-1 Antibody (JE38-97) [NBP3-32714] - Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-Pannexin-1 antibody (NBP3-32714) at 1/1,000 dilution.

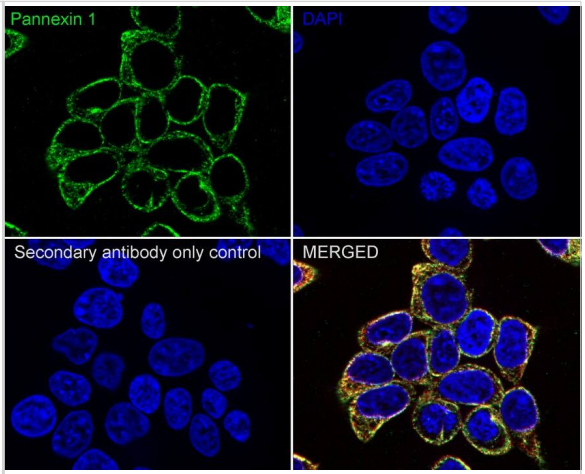
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (NBP3-32714) at 1/1,000 dilution for 1 hour at room 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: Pannexin-1 Antibody (JE38-97) [NBP3-32714] - Immunocytochemistry analysis of 293T cells labeling Pannexin-1 with Rabbit anti-Pannexin-1 antibody (NBP3-32714) 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-Pannexin-1 antibody (NBP3-32714) at 1/100 dilution in 1% BSA in PBST overnight at 4 □. 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□. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-32714

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

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-32714

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications