

Product Datasheet

Activin RIB/ALK-4 Antibody (JE38-48) NBP3-31998

Unit Size: 100 ul

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

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NBP3-31998

Activin RIB/ALK-4 Antibody (JE38-48)

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	JE38-48
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	57 kDa

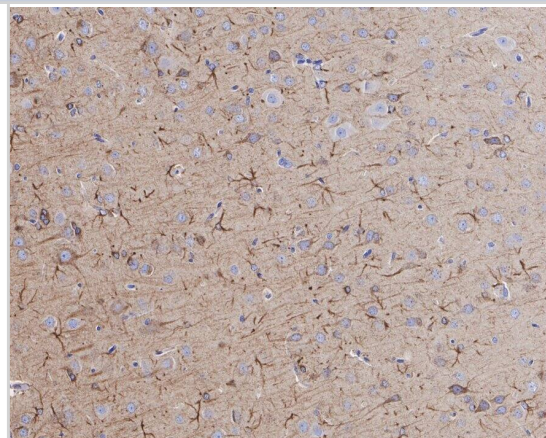
Product Description	
Description	Novus Biologicals Rabbit Activin RIB/ALK-4 Antibody (JE38-48) (NBP3-31998) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	91
Gene Symbol	ACVR1B
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human Activin RIB/ALK-4 aa 24-126. (Uniprot: P36896)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:250, Immunohistochemistry-Paraffin 1:5000

Images

Immunohistochemistry: Activin RIB/ALK-4 Antibody (JE38-48) [NBP3-31998] - Immunohistochemical analysis of paraffin-embedded rat brain tissue with Rabbit anti-Activin RIB/ALK-4 antibody (NBP3-31998) at 1/5,000 dilution.

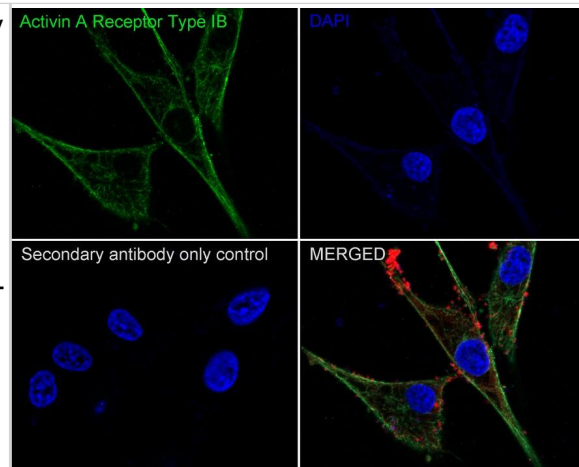
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-31998) at 1/5,000 dilution for 1 hour at room 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: Activin RIB/ALK-4 Antibody (JE38-48) [NBP3-31998] - Immunocytochemistry analysis of U-87 MG cells labeling Activin RIB/ALK-4 with Rabbit anti-Activin RIB/ALK-4 antibody (NBP3-31998) at 1/250 dilution.

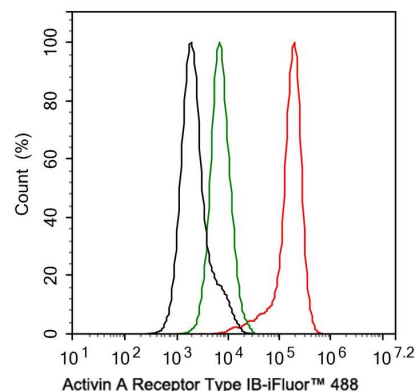
Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Activin RIB/ALK-4 antibody (NBP3-31998) at 1/250 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit 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 1/200 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: Activin RIB/ALK-4 Antibody (JE38-48) [NBP3-31998] - Flow cytometric analysis of U-87 MG cells labeling Activin RIB/ALK-4.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-31998, 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: Activin RIB/ALK-4 Antibody (JE38-48) [NBP3-31998] - Western blot analysis of Activin RIB/ALK-4 on different lysates with Rabbit anti-Activin RIB/ALK-4 antibody (NBP3-31998) at 1/1,000 dilution.

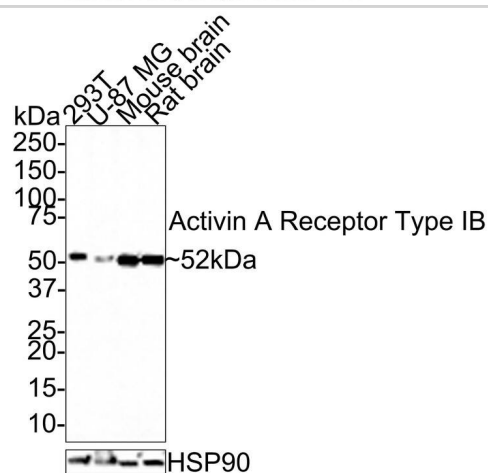
Lane 1: 293T cell lysate (15 µg/Lane)
Lane 2: U-87 MG cell lysate (20 µg/Lane)
Lane 3: Mouse brain tissue lysate (20 µg/Lane)
Lane 4: Rat brain tissue lysate (20 µg/Lane)

Predicted band size: 57 kDa
Observed band size: 52 kDa

Exposure time: 3 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (NBP3-31998) at 1/1,000 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP3-31998

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.

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