

Product Datasheet

ACTR2 Antibody (JE40-62)

NBP3-32048

Unit Size: 100 ul

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

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ACTR2 Antibody (JE40-62)

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	JE40-62
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	45 kDa
Product Description	
Host	Rabbit
Gene ID	10097
Gene Symbol	ACTR2
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human ACTR2 aa 345-394 / 394. (Uniprot: P61160)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:250, Immunohistochemistry-Paraffin 1:1000



Images

Western Blot: ACTR2 Antibody (JE40-62) [NBP3-32048] - Western blot analysis of ACTR2 on different lysates with Rabbit anti-ACTR2 antibody (NBP3-32048) at 1/1,000 dilution.

Lane 1: Jurkat cell lysate
Lane 2: MCF7 cell lysate
Lane 3: SH-SY5Y cell lysate
Lane 4: HeLa cell lysate

Lysates/proteins at 10 ug/Lane.

Predicted band size: 45 kDa
Observed band size: 40 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 (NBP3-32048) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.

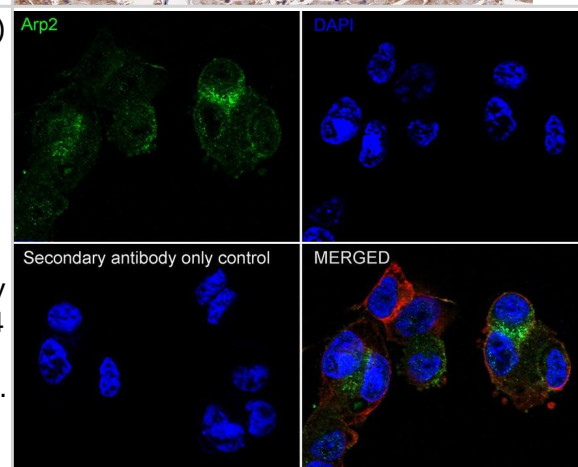
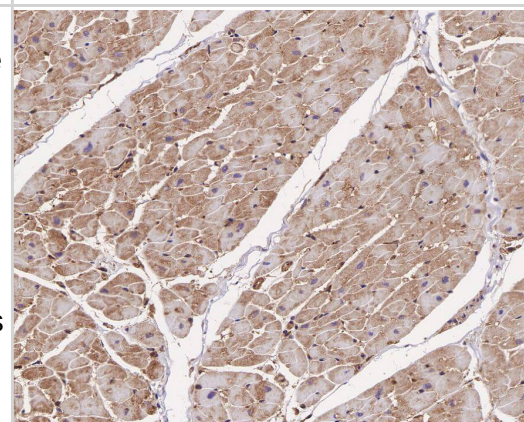
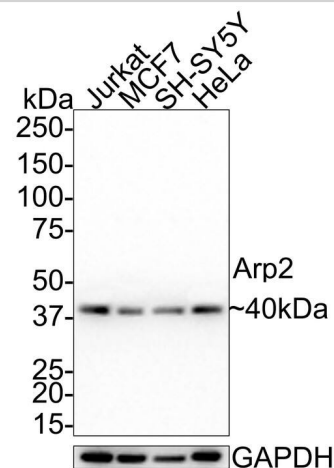
Immunohistochemistry: ACTR2 Antibody (JE40-62) [NBP3-32048] - Immunohistochemical analysis of paraffin-embedded human heart tissue with Rabbit anti-ACTR2 antibody (NBP3-32048) at 1/1,000 dilution.

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 (NBP3-32048) 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: ACTR2 Antibody (JE40-62) [NBP3-32048] - Immunocytochemistry analysis of SH-SY5Y cells labeling ACTR2 with Rabbit anti-ACTR2 antibody (NBP3-32048) 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-ACTR2 antibody (NBP3-32048) 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 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





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Products Related to NBP3-32048

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00010097-P01-10ug	Recombinant Human ACTR2 GST (N-Term) Protein

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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