

Product Datasheet

eIF4A1 Antibody (JE35-43)

NBP3-32299

Unit Size: 100 ul

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

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NBP3-32299

eIF4A1 Antibody (JE35-43)

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	JE35-43
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	46 kDa
Product Description	
Description	Novus Biologicals Rabbit eIF4A1 Antibody (JE35-43) (NBP3-32299) 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	1973
Gene Symbol	EIF4A1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human eIF4A1 aa 1-50 / 406. (Uniprot: P60842)
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 1:100, Immunohistochemistry-Paraffin 1:200



Images

Western Blot: eIF4A1 Antibody (JE35-43) [NBP3-32299] - Western blot analysis of eIF4A1 on different lysates with Rabbit anti-eIF4A1 antibody (NBP3-32299) at 1/1,000 dilution.

Lane 1: HeLa cell lysate
 Lane 2: U-2 OS cell lysate
 Lane 3: K-562 cell lysate
 Lane 4: HEK-293 cell lysate
 Lane 5: MCF7 cell lysate
 Lane 6: HepG2 cell lysate
 Lane 7: Huh7 cell lysate
 Lane 8: Jurkat cell lysate
 Lane 9: PC-12 cell lysate

Lysates/proteins at 15 ug/Lane.

Predicted band size: 46 kDa
 Observed band size: 46 kDa

Exposure time: 3 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 (NBP3-32299) 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 1:100,000 dilution was used for 1 hour at room temperature.

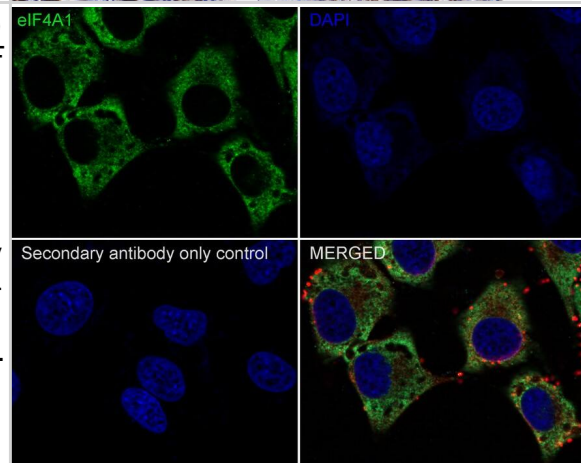
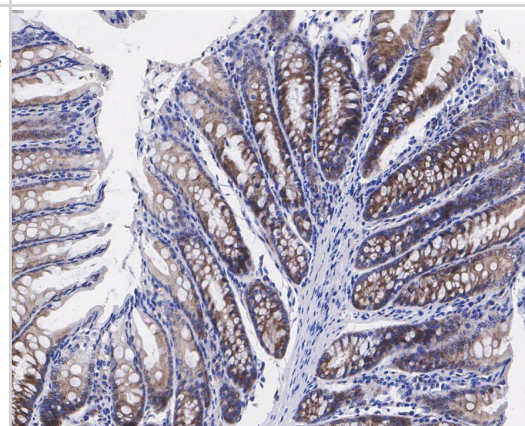
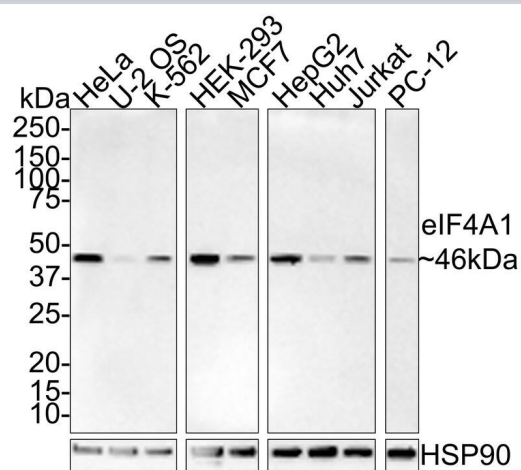
Immunohistochemistry: eIF4A1 Antibody (JE35-43) [NBP3-32299] - Immunohistochemical analysis of paraffin-embedded mouse colon tissue with Rabbit anti-eIF4A1 antibody (NBP3-32299) at 1/200 dilution.

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 (NBP3-32299) 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: eIF4A1 Antibody (JE35-43) [NBP3-32299] - Immunocytochemistry analysis of HeLa cells labeling eIF4A1 with Rabbit anti-eIF4A1 antibody (NBP3-32299) at 1/100 dilution.

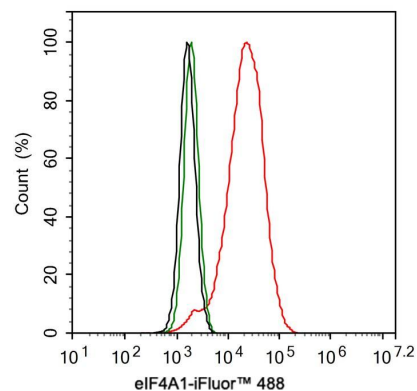
Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-eIF4A1 antibody (NBP3-32299) at 1/100 dilution in 2% 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: eIF4A1 Antibody (JE35-43) [NBP3-32299] - Flow cytometric analysis of HeLa cells labeling eIF4A1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32299, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4h 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 +4h. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32299

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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