

Product Datasheet

eIF4E Antibody (JE60-70)

NBP3-32302

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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NBP3-32302

eIF4E Antibody (JE60-70)

| 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 | JE60-70 |
| 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 | 25 kDa |
| Product Description | |
| Description | Novus Biologicals Rabbit eIF4E Antibody (JE60-70) (NBP3-32302) 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 | 1977 |
| Gene Symbol | EIF4E |
| Species | Human, Mouse |
| Immunogen | Recombinant protein within Human eIF4E aa 118-217 / 217. (Uniprot: P06730) |
| Product Application Details | |
| Applications | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 1:500, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:200 |



Images

Western Blot: eIF4E Antibody (JE60-70) [NBP3-32302] - Western blot analysis of eIF4E on different lysates with Rabbit anti-eIF4E antibody (NBP3-32302) at 1/500 dilution.

Lane 1: HL-60 cell lysate

Lane 2: Daudi cell lysate

Lysates/proteins at 10 ug/Lane.

Predicted band size: 25 kDa

Observed band size: 25 kDa

Exposure time: 2 minutes;

15% SDS-PAGE gel.

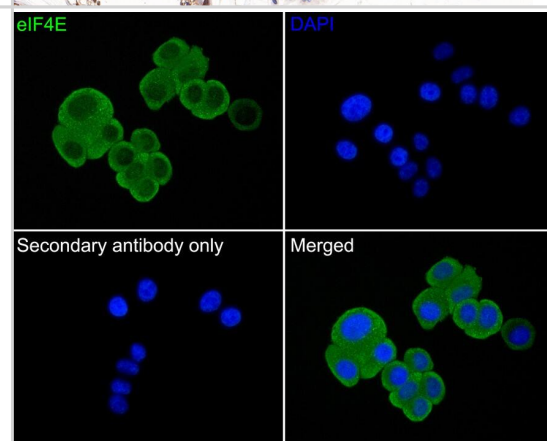
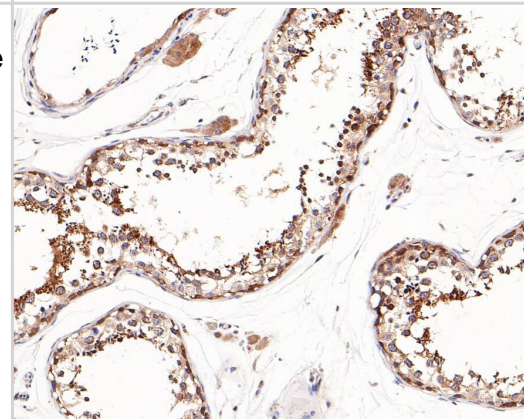
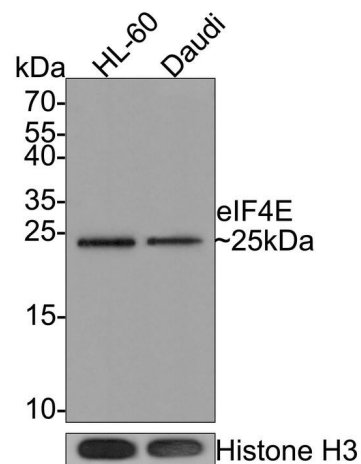
Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32302) at 1/500 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: eIF4E Antibody (JE60-70) [NBP3-32302] - Immunohistochemical analysis of paraffin-embedded human testis tissue with Rabbit anti-eIF4E antibody (NBP3-32302) 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 (NBP3-32302) 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.

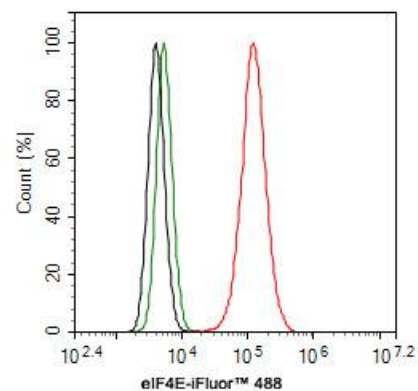
Immunocytochemistry/ Immunofluorescence: eIF4E Antibody (JE60-70) [NBP3-32302] - Immunocytochemistry analysis of SK-Br-3 cells labeling eIF4E with Rabbit anti-eIF4E antibody (NBP3-32302) at 1/50 dilution.

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-eIF4E antibody (NBP3-32302) at 1/50 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. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry: eIF4E Antibody (JE60-70) [NBP3-32302] - Flow cytometric analysis of SK-Br-3 cells labeling eIF4E.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32302, 1ug/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).





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Products Related to NBP3-32302

| | |
|-------------|---|
| 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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