

# Product Datasheet

## eIF4B [p Ser406] Antibody (JE63-80) NBP3-32763

Unit Size: 100 ul

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

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**NBP3-32763**

eIF4B [p Ser406] Antibody (JE63-80)

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	JE63-80
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	69 kDa

Product Description	
Description	Novus Biologicals Rabbit eIF4B [p Ser406] Antibody (JE63-80) (NBP3-32763) 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	1975
Gene Symbol	EIF4B
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide corresponding to residues surrounding Ser406 of human eIF4B protein. (Uniprot: P23588)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:50000, Flow Cytometry 1:5000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:5000-1:20000, Immunohistochemistry-Paraffin 1:1000



## Images

Western Blot: eIF4B [p Ser406] Antibody (JE63-80) [NBP3-32763] - Western blot analysis of eIF4B on different lysates with Rabbit anti-eIF4B antibody (NBP3-32763) at 1/50,000 dilution.

Lane 1: 293T cell lysate  
 Lane 2: 293T treated with 100nM Calyculin A for 15 minutes cell lysate  
 Lane 3: HeLa cell lysate  
 Lane 4: HeLa treated with 100ng/mL Calyculin A for 30 minutes cell lysate  
 Lane 5: Jurkat cell lysate  
 Lane 6: Jurkat treated with 100nM Calyculin A for 30 minutes cell lysate  
 Lane 7: NIH/3T3 cell lysate  
 Lane 8: NIH/3T3 treated with 100nM Calyculin A for 30 minutes cell lysate  
 Lane 9: PC-12 cell lysate  
 Lane 10: PC-12 treated with 100nM Calyculin A for 30 minutes cell lysate

Lysates/proteins at 20 ug/Lane.

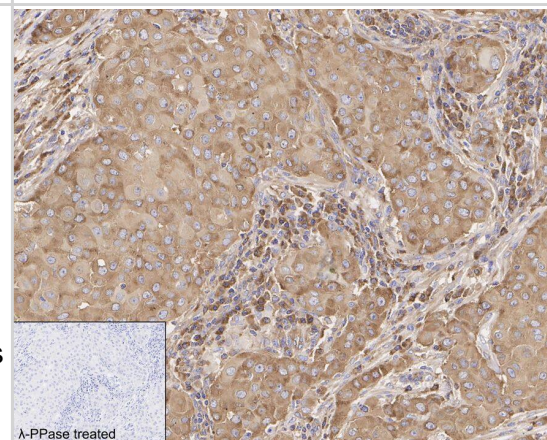
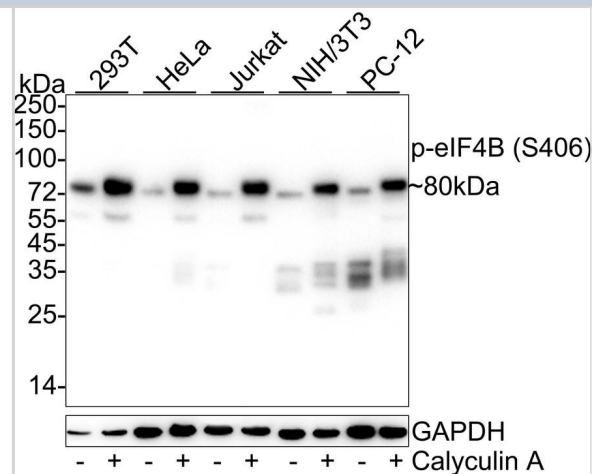
Predicted band size: 69 kDa  
 Observed band size: 80 kDa

Exposure time: 21 seconds; ECL;  
 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 (NBP3-32763) at 1/50,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: eIF4B [p Ser406] Antibody (JE63-80) [NBP3-32763] - Immunohistochemical analysis of paraffin-embedded human breast cancer tissue with Rabbit anti-eIF4B antibody (NBP3-32763) 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 ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32763) 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.



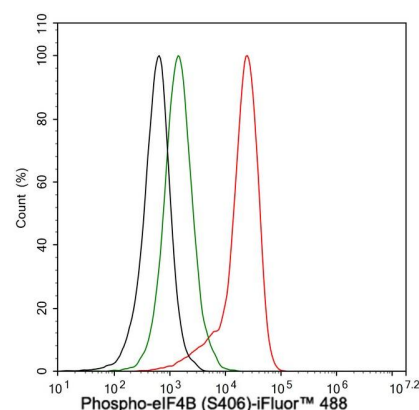
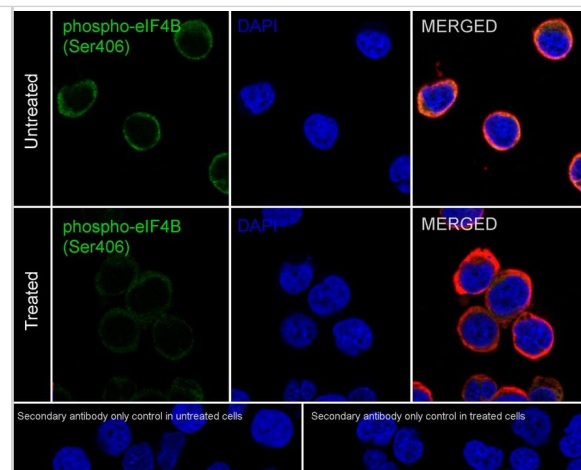
**Immunocytochemistry/ Immunofluorescence: eIF4B [p Ser406] Antibody (JE63-80) [NBP3-32763]** - Immunocytochemistry analysis of Jurkat cells treated with or without  $\lambda$ pp labeling eIF4B with Rabbit anti-eIF4B antibody (NBP3-32763) at 1/20,000 dilution.

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-eIF4B antibody (NBP3-32763) at 1/20,000 dilution in 1% BSA in PBST 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.

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.

**Flow Cytometry: eIF4B [p Ser406] Antibody (JE63-80) [NBP3-32763]** - Flow cytometric analysis of Jurkat cells labeling eIF4B.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32763, 1/5,000) (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 NBP3-32763**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001975-P01-10ug	Recombinant Human eIF4B GST (N-Term) Protein

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### **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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