# Anti-Phospho-eIF4B (Ser406) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015022

## Product Information

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|---|---|
| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 67Q83F64 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthesized peptide derived from human Phospho-eIF4B (S406) |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Phospho-eIF4B (Ser406) Rabbit mAb [67Q83F64] is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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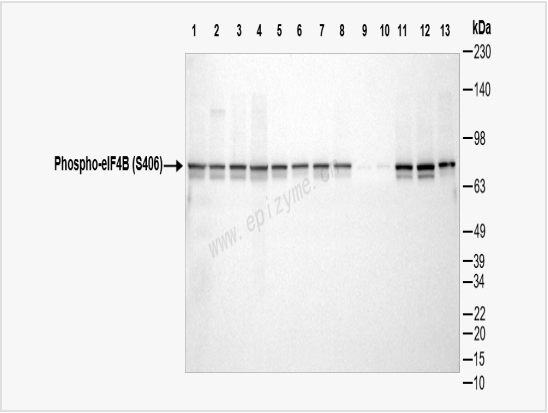
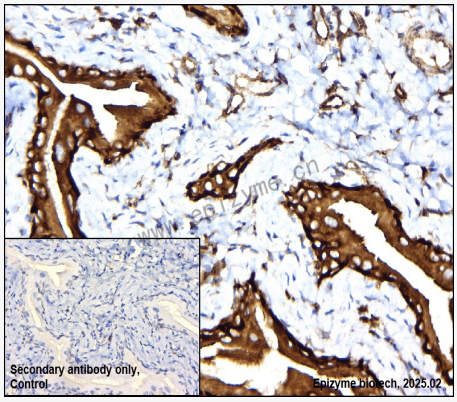
|---|---|
| Synonyms | 2310046H11Rik, AL024095, C85189, EIF 4B, eIF-4B, EIF4B, Eukaryotic initiation factor 4B, Eukaryotic translation initiation factor 4B, IF4B_HUMAN, PRO1843. |
| Calculated MW | Calculated MW: 69 kDa; Observed MW: 75 kDa |
| Uniprot ID | P23588 |
| Gene ID | 1975 |
| Background | Required for the binding of mRNA to ribosomes |

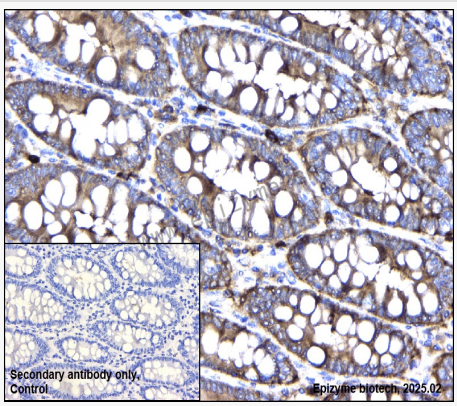
## Validation Images



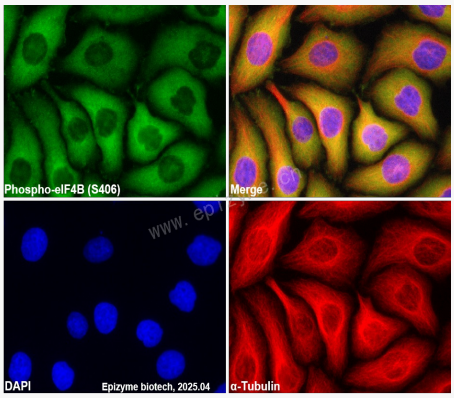

Western Blot - Anti-Phospho-eIF4B (Ser406) Rabbit mAb [67Q83F64]
All lanes: R015022 at 1:1,000 dilution
Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2 : HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3 : HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4 : SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5 : Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
Lane 6 : Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 7 : 293T (Human embryonic kidney cell) whole cell lysates
Lane 8 : SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 9 : Mouse heart whole tissue lysates
Lane 10 : Mouse brain whole tissue lysates
Lane 11 : C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 12 : Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 13 : PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 69 kDa
Observed band size: 75 kDa
Developed using the ECL technique (Cat. No. SQ201).




Immunohistochemistry - Anti-Phospho-eIF4B (Ser406) Rabbit mAb [67Q83F64]
Sample: Paraformaldehyde-fixed, paraffin embedded rat bladder tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015022 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.




Immunohistochemistry - Anti-Phospho-eIF4B (Ser406) Rabbit mAb [67Q83F64]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015022 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.




Immunofluorescence - Anti-Phospho-eIF4B (Ser406) Rabbit mAb [67Q83F64]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R015022 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).