

Rabbit eIF4B Polyclonal Antibody | anti-eIF4B antibody

Phospho-eIF4B (Ser497) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328422	Rabbit	Human, Mouse, Rat Predicted: Bovine, Horse, Sheep, Rabbit, Dog	ELISA, Immunohistochemistry, Western Blot

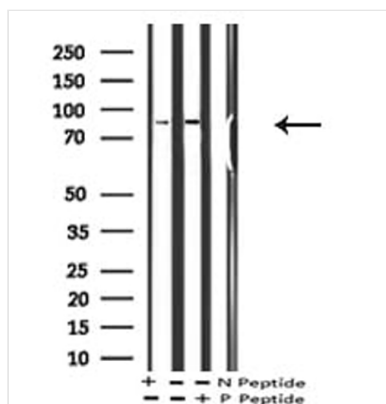
PRODUCT SYNONYMS

eIF4B; Polyclonal Antibody; Phospho-eIF4B (Ser497) Antibody; 2310046H11Rik; AL024095; C85189; EIF 4B; eIF-4B; EIF4B; Eukaryotic initiation factor 4B; Eukaryotic translation initiation factor 4B; IF4B_HUMAN; PRO1843; anti-eIF4B antibody

PRODUCT SPECIFICATIONS

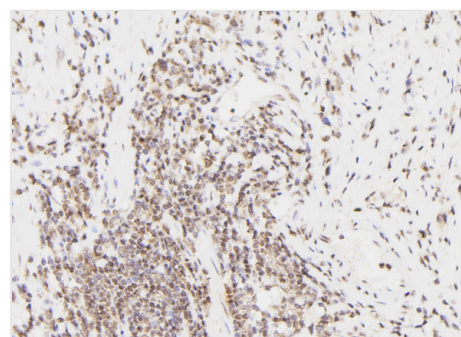
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-eIF4B (Ser497) Antibody detects endogenous levels of eIF4B only when phosphorylated at Ser497.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	611
Applicable Applications for anti-eIF4B antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human eIF4B around the phosphorylation site of Ser497.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



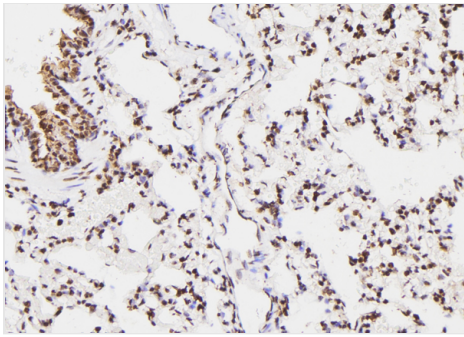
WB (Western Blot)

Western blot analysis of Phospho-eIF4B (Ser497) in lysates of NIH-3T3, using Phospho-eIF4B (Ser497) Antibody.



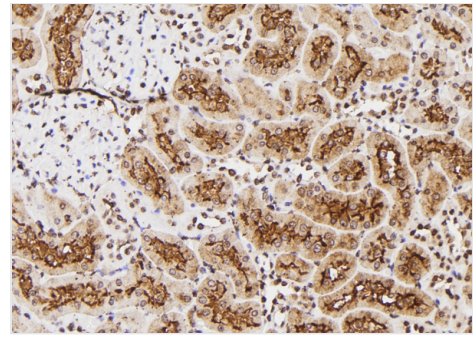
IHC (Immunohistochemisry)

At 1/100 staining human gastric cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-eIF4B antibody

Description: Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

Post Translational Modifications: Phosphorylated at Ser-422 by RPS6KA1 and RPS6KB1; phosphorylation enhances the affinity of EIF4B for the EIF3 complex.

Subunit Structure: Self-associates and interacts with EIF3 p170 subunit.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50053795
NCBI GeneID	1975
NCBI Accession #	NP_001408.2
NCBI GenBank Nucleotide #	NP_001408.2
UniProt Accession #	P23588
Molecular Weight	Observed: 80 kDa Predicted: 70 kDa
NCBI Official Full Name	eukaryotic translation initiation factor 4B isoform 2
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4B
NCBI Official Symbol	EIF4B
NCBI Official Synonym Symbols	EIF-4B; PRO1843
NCBI Protein Information	eukaryotic translation initiation factor 4B
UniProt Protein Name	Eukaryotic translation initiation factor 4B
UniProt Gene Name	EIF4B
UniProt Synonym Gene Names	eIF-4B
UniProt Entry Name	IF4B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.