

Rabbit eIF2B Polyclonal Antibody | anti-eIF2B antibody

Phospho-eIF2B (Tyr298) Antibody

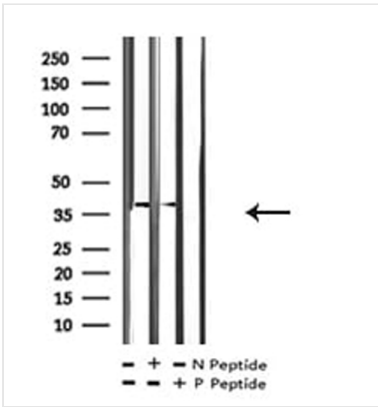
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328409	Rabbit	Human, Mouse, RatPredicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

eIF2B; Polyclonal Antibody; Phospho-eIF2B (Tyr298) Antibody; DKFZp686L18198; eIF 2 beta; eIF-2-beta; EIF2; EIF2B; EIF2beta; EIF2S2; Eukaryotic initiation factor 2 beta; eukaryotic initiation factor 2-beta; Eukaryotic translation initiation factor 2 beta; Eukaryotic translation initiation factor 2 subunit 2; Eukaryotic translation initiation factor 2 subunit 2 beta 38kDa; Eukaryotic translation initiation factor 2 subunit 2 beta; Eukaryotic translation initiation factor 2 subunit beta; eukaryotic translation initiation factor 2; subunit 2 beta; 38kDa; IF2B_HUMAN; MGC8508; PPP1R67; protein phosphatase 1; regulatory subunit 67; anti-eIF2B antibody

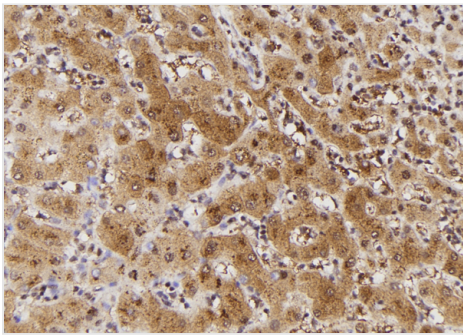
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-eIF2B (Tyr298) Antibody detects endogenous levels of eIF2B only when phosphorylated at Tyr298.
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	333
Applicable Applications for anti-eIF2B antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human eIF2B around the phosphorylation site of Tyr298.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



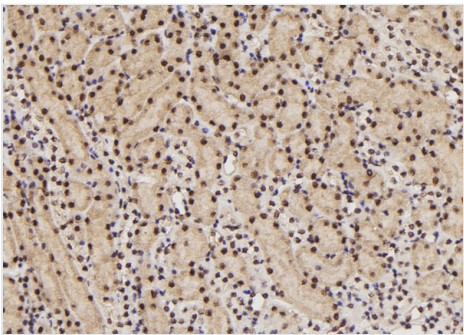
WB (Western Blot)

Western blot analysis of Phospho-eIF2B (Tyr298) in lysates of Jurkat cells, using Phospho-eIF2B (Tyr298) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining human liver 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 mouse 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-eIF2B antibody

Description: eIF-2 functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B.

Subunit Structure: Heterotrimer composed of an alpha, a beta and a gamma chain (PubMed:23063529). Component of an EIF2 complex at least composed of CELF1/CUGBP1, CALR, CALR3, EIF2S1, EIF2S2, HSP90B1 and HSPA5 (By similarity).

Similarity: Belongs to the eIF-2-beta/eIF-5 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29826335
NCBI GeneID	8894
NCBI Accession #	NP_003899.2
NCBI GenBank Nucleotide #	NP_003899.2
UniProt Accession #	P20042

Molecular Weight	Observed: 40KD Predicted: 39 kDa
NCBI Official Full Name	eukaryotic translation initiation factor 2 subunit 2 isoform 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2 subunit beta
NCBI Official Symbol	EIF2S2
NCBI Official Synonym Symbols	EIF2; EIF2B; PPP1R67; EIF2beta; eIF-2-beta
NCBI Protein Information	eukaryotic translation initiation factor 2 subunit 2
UniProt Protein Name	Eukaryotic translation initiation factor 2 subunit 2
UniProt Gene Name	EIF2S2
UniProt Synonym Gene Names	EIF2B; eIF-2-beta
UniProt Entry Name	IF2B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif2b-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328409>