

Rabbit anti-Human EIF4B Polyclonal Antibody | anti-EIF4B antibody

EIF4B Antibody (S422)

CATALOG # AAA286701	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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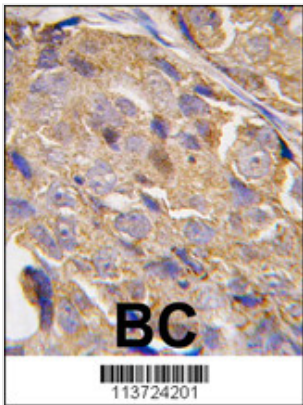
PRODUCT SYNONYMS

EIF4B; Polyclonal Antibody; EIF4B Antibody (S422); Eukaryotic translation initiation factor 4B; eIF-4B; anti-EIF4B antibody

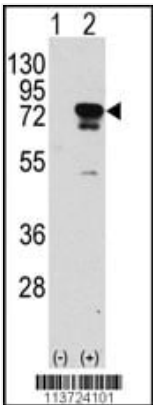
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EIF4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-429 amino acids from human EIF4B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.38 (varies by lot)
Sequence Positions	400-429
Sequence Length	572
Applicable Applications for anti-EIF4B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with EIF4B-S422, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of EIF4B (arrow) using rabbit polyclonal EIF4B Antibody (S422) (RB13724). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EIF4B gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-EIF4B antibody	EIF4B is required for the binding of mRNA to ribosomes. It functions in close association with EIF4-F and EIF4-A by binding near the 5'- terminal cap of mRNA in presence of EIF-4F and ATP. It also promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F
References	Doepker, R.C., et al., J. Virol. 78(9):4684-4699 (2004). Fleming, K., et al., Biochemistry 42(30):8966-8975 (2003). Milburn, S.C., et al., EMBO J. 9(9):2783-2790 (1990).

NCBI AND UNIPROT INFORMATION

NCBI GI #	50053795
NCBI GeneID	1975
NCBI Accession #	NP_001408.2
NCBI GenBank Nucleotide #	NM_001417.5
UniProt Accession #	P23588; Q4G0E3; Q53HQ2; Q6GPH5; Q6IB46; Q8WYK5; B4DS13
Molecular Weight	69151
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.

