Anti-eIF beta antibody

Description	Rabbit polyclonal to eIF2beta.

Model	STJ92873
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human eIF2beta around the non-phosphorylation site of S67.
Immunogen Region	10-90 aa
Gene ID	8894
Gene Symbol	EIF2S2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	eIF2beta Polyclonal Antibody detects endogenous levels of eIF2beta protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Eukaryotic translation initiation factor 2 subunit 2 Eukaryotic translation initiation factor 2 subunit beta eIF-2-beta
Molecular Weight	38 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:3266OMIM:603908
Alternative Names	Eukaryotic translation initiation factor 2 subunit 2 Eukaryotic translation initiation factor 2 subunit beta eIF-2-beta
Function	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.