

Anti-eIF4G antibody



Description	Rabbit polyclonal to eIF4G.
Model	STJ92883
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human eIF4G around the non-phosphorylation site of S1148.
Immunogen Region	1050-1130 aa
Gene ID	1981
Gene Symbol	EIF4G1
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	eIF4G Polyclonal Antibody detects endogenous levels of eIF4G 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 4 gamma 1 eIF-4-gamma 1 eIF-4G 1 eIF-4G1 p220
Molecular Weight	175 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:3296OMIM:600495
Alternative Names	Eukaryotic translation initiation factor 4 gamma 1 eIF-4-gamma 1 eIF-4G 1 eIF-4G1 p220
Function	Component of the protein complex eIF4F, which is involved in the recognition of the mRNA cap, ATP-dependent unwinding of 5'-terminal secondary structure and recruitment of mRNA to the ribosome.
Post-translational Modifications	Phosphorylated at multiple sites in vivo. Phosphorylation at Ser-1185 by PRKCA induces binding to MKNK1. Following infection by certain enteroviruses, rhinoviruses and aphthoviruses, EIF4G1 is cleaved by the viral protease 2A, or the leader protease in the case of aphthoviruses. This shuts down the capped cellular mRNA transcription.