

Anti-Phospho-EIF4G1 (Ser1148) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 175 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Applications

Application:	IHC-P,IF(paraffin section),ELISA
Recommended	WB: 1:500-2000; IHC-P: 1:100-300; ELISA: 1:40000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human eIF4G around the phosphorylation site of Ser1108. AA range:1074-1123
Antigen Species:	human
Uniprot ID:	Q04637
Synonyms:	EIF4G1 (p-S1148);p-EIF4G1 (Ser1148);EIF4G1 (p-Ser1148);p-EIF4G1 (S1148)

Research Background

eukaryotic translation initiation factor 4 gamma 1(EIF4G1) Homo sapiens The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment of mRNA to the ribosome, which is a rate-limiting step during the initiation phase of protein synthesis. The recognition of the mRNA cap and the ATP-dependent unwinding of 5'-terminal secondary structure is catalyzed by factors in this complex. The subunit encoded by this gene is a large scaffolding protein that contains binding sites for other members of the EIF4F complex. A domain at its N-terminus can also interact with the poly(A)-binding protein, which may mediate the circularization of mRNA during translation. Alternative splicing results in multiple transcript variants, some of which are derived from alternative promoter usage. [provided by RefSeq, Aug 2010],

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