

**eIF4G (phospho Ser1148) Polyclonal Antibody**

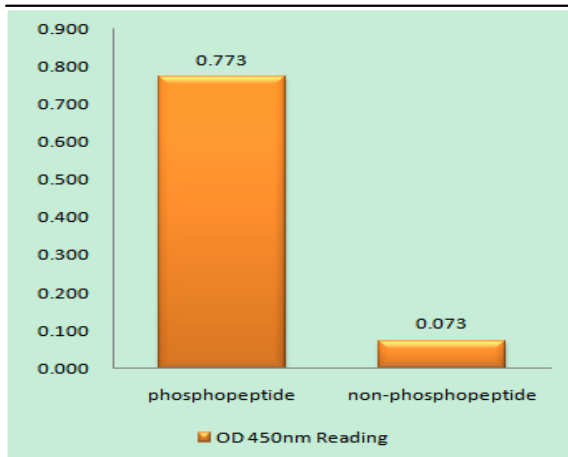
<b>Catalog No :</b>	YP0970
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	eIF4G
<b>Fields :</b>	>>Viral myocarditis
<b>Gene Name :</b>	EIF4G1
<b>Protein Name :</b>	Eukaryotic translation initiation factor 4 gamma 1
<b>Human Gene Id :</b>	1981
<b>Human Swiss Prot No :</b>	Q04637
<b>Mouse Gene Id :</b>	208643
<b>Mouse Swiss Prot No :</b>	Q6NZJ6
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human eIF4G around the phosphorylation site of Ser1108. AA range:1074-1123
<b>Specificity :</b>	Phospho-eIF4G (S1148) Polyclonal Antibody detects endogenous levels of eIF4G protein only when phosphorylated at S1148.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

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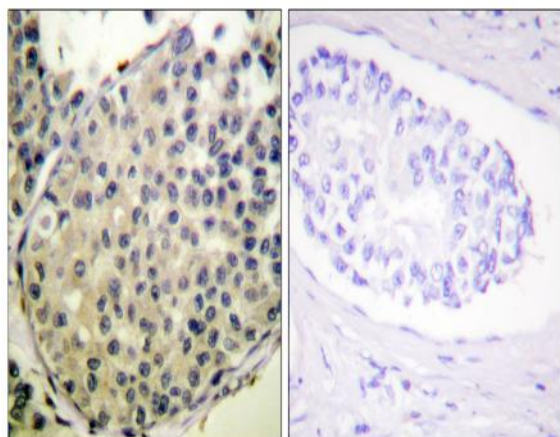
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	176kD
<b>Cell Pathway :</b>	Viral myocarditis;
<b>Background :</b>	<p>The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment 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],</p>
<b>Function :</b>	<p>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.,PTM: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.,PTM:Phosphorylated at multiple sites in vivo.,sequence caution:Aberrant splicing.,similarity:Belongs to the eIF4G family.,similarity:Contains 1 MI domain.,similarity:Contains 1 MIF4G domain.,similarity:Contains 1 W2 domain.,subunit:eIF4F is a multi-subunit complex, the composition of which varies with external and internal environmental conditions. It is composed of at least EIF4A, EIF4E and EIF4G1/EIF4G3. Interacts with eIF3, mutually exclusive with EIF4A1</p>
<b>Subcellular Location :</b>	Cytoplasm, Stress granule .
<b>Expression :</b>	Brain,Endometrial tumor,Epithelium,Pancreas,Placent
<b>Sort :</b>	5487
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

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**Products Images**



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using eIF4G (Phospho-Ser1108) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using eIF4G (Phospho-Ser1108) Antibody. The picture on the right is blocked with the phospho peptide.