

**eIF4B (phospho Ser422) Polyclonal Antibody**

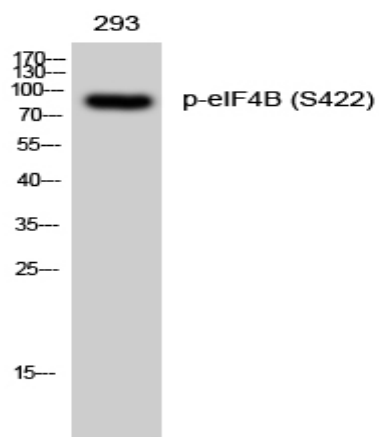
<b>Catalog No :</b>	YP0280
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	eIF4B
<b>Fields :</b>	>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>Proteoglycans in cancer
<b>Gene Name :</b>	EIF4B
<b>Protein Name :</b>	Eukaryotic translation initiation factor 4B
<b>Human Gene Id :</b>	3716
<b>Human Swiss Prot No :</b>	P23588
<b>Mouse Gene Id :</b>	75705
<b>Mouse Swiss Prot No :</b>	Q8BGD9
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human eIF4B around the phosphorylation site of Ser422. AA range:388-437
<b>Specificity :</b>	Phospho-eIF4B (S422) Polyclonal Antibody detects endogenous levels of eIF4B protein only when phosphorylated at S422.
<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>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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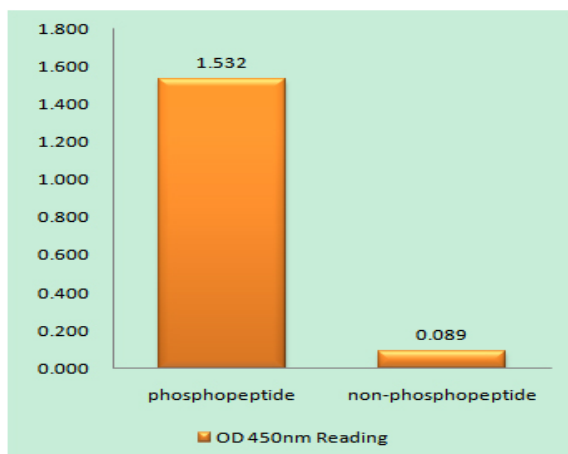
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	80kD
<b>Cell Pathway :</b>	mTOR;
<b>Background :</b>	function:Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.,similarity:Contains 1 RRM (RNA recognition motif) domain.,subunit:Self-associates and interacts with EIF3 p170 subunit.,
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<b>Subcellular Location :</b>	cytosol,polysome,eukaryotic translation initiation factor 4F complex,dendrite,neuronal cell body,
<b>Expression :</b>	Adipose tissue,Brain,Cervix carcinoma,Epithelium,Liver,Lung
<b>Sort :</b>	5477
<b>No2 :</b>	3591T
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

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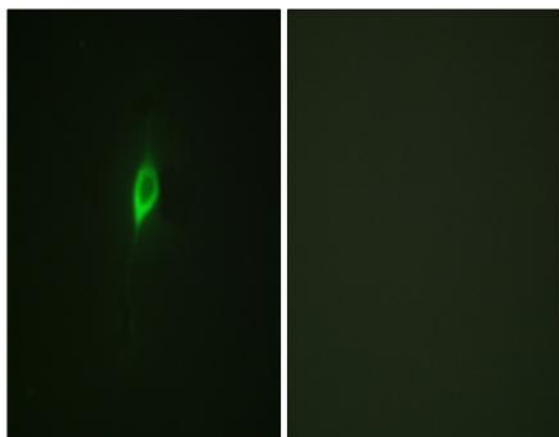
## Products Images



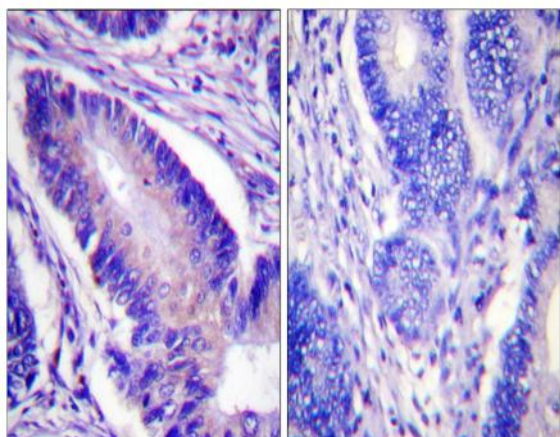
Western Blot analysis of 293 cells using Phospho-eIF4B (S422) Polyclonal Antibody diluted at 1:2000



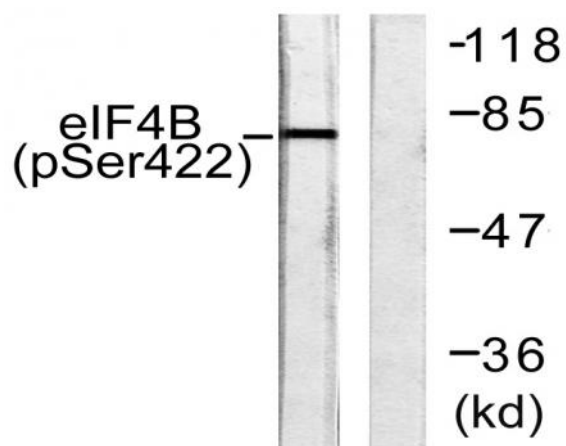
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using eIF4B (Phospho-Ser422) Antibody



Immunofluorescence analysis of NIH/3T3 cells, using eIF4B (Phospho-Ser422) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using eIF4B (Phospho-Ser422) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells, using eIF4B (Phospho-Ser422) Antibody. The lane on the right is blocked with the phospho peptide.