

**eEF2K (phospho Ser366) Polyclonal Antibody**

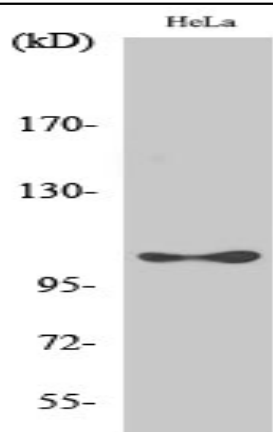
<b>Catalog No :</b>	YP0599
<b>Reactivity :</b>	Human;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	eEF2K
<b>Fields :</b>	>>AMPK signaling pathway;>>Oxytocin signaling pathway
<b>Gene Name :</b>	EEF2K
<b>Protein Name :</b>	Eukaryotic elongation factor 2 kinase
<b>Human Gene Id :</b>	29904
<b>Human Swiss Prot No :</b>	O00418
<b>Mouse Swiss Prot No :</b>	O08796
<b>Rat Gene Id :</b>	25435
<b>Rat Swiss Prot No :</b>	P70531
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human eEF2K around the phosphorylation site of Ser366. AA range:331-380
<b>Specificity :</b>	Phospho-eEF2K (S366) Polyclonal Antibody detects endogenous levels of eEF2K protein only when phosphorylated at S366.
<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. 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.

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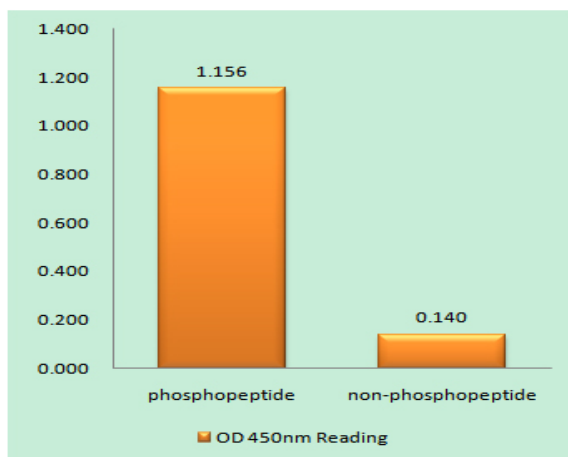
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	105kD
<b>Cell Pathway :</b>	AMPK
<b>Background :</b>	This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling pathway that links activation of cell surface receptors to cell division. This kinase is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:ATP + [elongation factor 2] = ADP + [elongation factor 2] phosphate.,enzyme regulation:Undergoes calcium/calmodulin-dependent intramolecular autophosphorylation, and this results in it becoming partially calcium/calmodulin-independent.,function:Phosphorylates eukaryotic elongation factor-2. Binds calmodulin.,similarity:Belongs to the protein kinase superfamily. Alpha-type protein kinase family.,similarity:Contains 1 alpha-type protein kinase domain.,subunit:Monomer or homodimer .,
<b>Subcellular Location :</b>	cytoplasm,cytosol,postsynaptic density,
<b>Expression :</b>	Epithelium,Glial tumor,Lymph,T-cell,
<b>Tag :</b>	orthogonal,hot
<b>Sort :</b>	5418
<b>No2 :</b>	3691T
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

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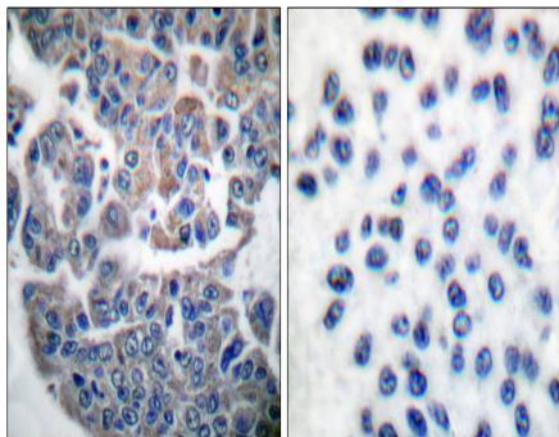
## Products Images



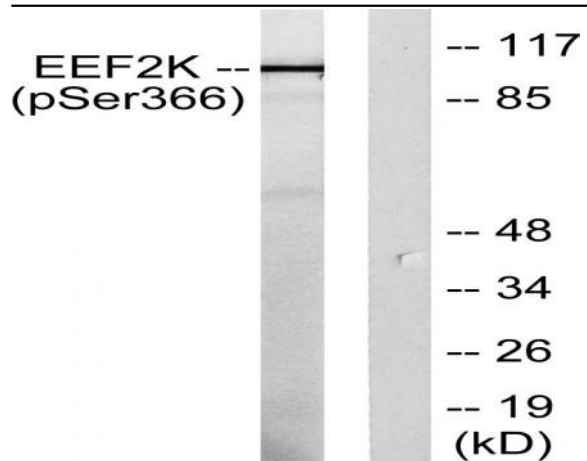
Western Blot analysis of various cells using Phospho-eEF2K (S366) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using eEF2K (Phospho-Ser366) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using eEF2K (Phospho-Ser366) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with serum 10% 15', using eEF2K (Phospho-Ser366) Antibody. The lane on the right is blocked with the phospho peptide.