

eEF2K Polyclonal Antibody

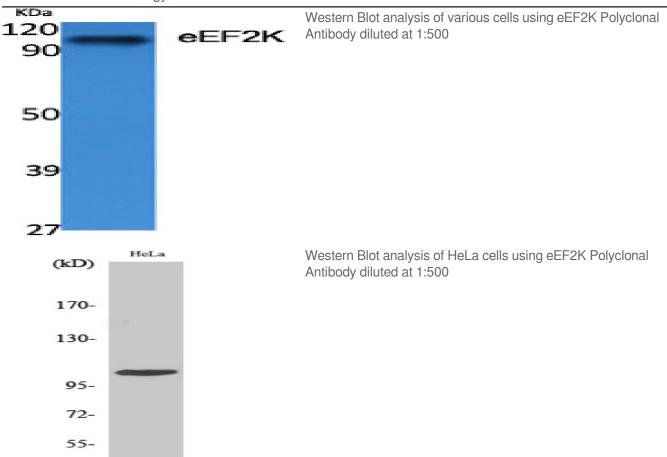
Catalog No :	YT1474
Reactivity :	Human;Rat
Applications :	WB;IHC;IF;ELISA
Target :	eEF2K
Fields :	>>AMPK signaling pathway;>>Oxytocin signaling pathway
Gene Name :	EEF2K
Protein Name :	Eukaryotic elongation factor 2 kinase
Human Gene Id :	29904
Human Swiss Prot	O00418
No:	
Mouse Swiss Prot	O08796
No : Rat Gene Id :	25435
Rat Swiss Prot No :	P70531
Immunogen :	The antiserum was produced against synthesized peptide derived from human eEF2K. AA range:331-380
Specificity :	eEF2K Polyclonal Antibody detects endogenous levels of eEF2K protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000 IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen.

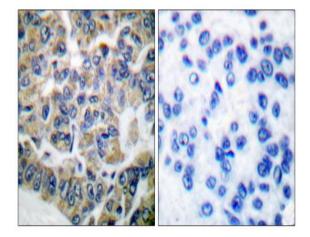
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Best Tools for immunology Research		
Concentration :	1 mg/ml	
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)	
Observed Band :	105kD	
Cell Pathway :	AMPK	
Background :	This gene encodes a highly conserved protein kinase in the calmodulin- 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],	
Function :	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 .,	
Subcellular	cytoplasm,cytosol,postsynaptic density,	
Location :		
Expression :	Epithelium,Glial tumor,Lymph,T-cell,	
Tag :	orthogonal,hot	
Sort :	5420	
No4 :	1	
Host :	Rabbit	
Modifications :	Unmodified	

Products Images

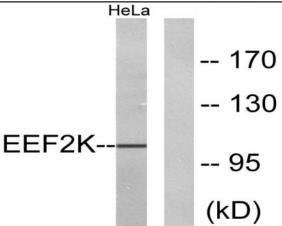






Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using eEF2K Antibody. The picture on the right is blocked with the synthesized peptide.





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