



eEF2K rabbit pAb

Cat No.:ES2228

For research use only

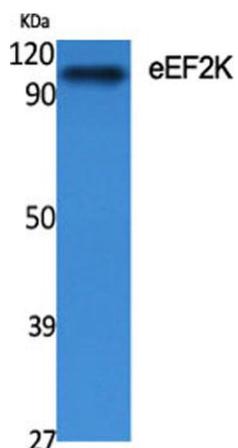
Overview

Product Name	eEF2K rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Eukaryotic elongation factor 2 kinase
Gene Name	EEF2K
Cellular localization	cytoplasm,cytosol,postsynaptic density,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	105kD
Human Gene ID	29904
Human Swiss-Prot Number	O00418
Alternative Names	EEF2K; Eukaryotic elongation factor 2 kinase; eEF-2 kinase; eEF-2K; Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase
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

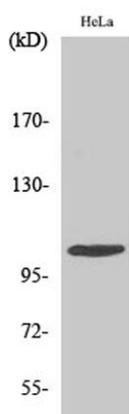




protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment. [provided by RefSeq, Jul 2008],

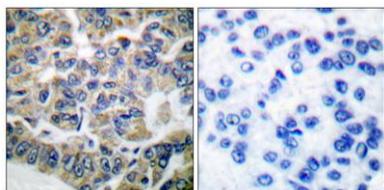


Western Blot analysis of various cells using eEF2K Polyclonal Antibody diluted at 1:500



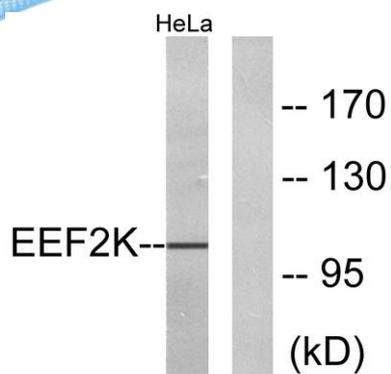
Western Blot analysis of HeLa cells using eEF2K Polyclonal Antibody diluted at 1:500

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





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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.



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