

Product Name: eEF2K (phospho Ser366) Rabbit Polyclonal Antibody
Catalog #: APRab04573

Summary

Production Name	eEF2K (phospho Ser366) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	EEF2K
Alternative Names	EEF2K; Eukaryotic elongation factor 2 kinase; eEF-2 kinase; eEF-2K; Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase
Gene ID	29904.0
SwissProt ID	O00418.The antiserum was produced against synthesized peptide derived from human eEF2K around the phosphorylation site of Ser366. AA range:331-380

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:40000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	105kDa

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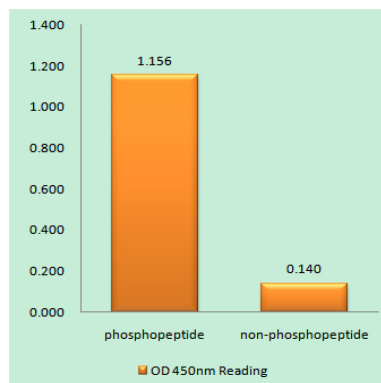
Background

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],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 .,

Research Area

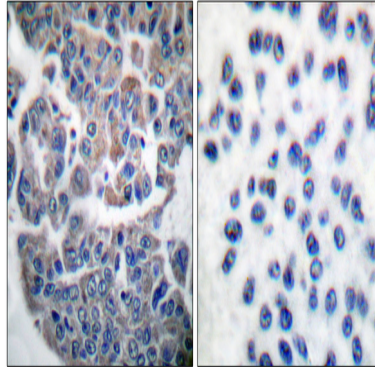
AMPK

Image Data



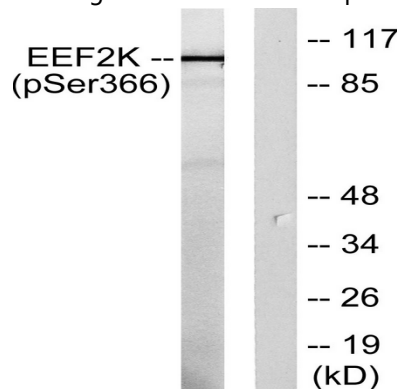
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using eEF2K (Phospho-Ser366) Antibody

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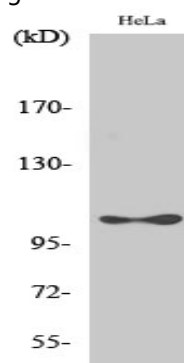
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using eEF2K (Phospho-Ser366) Antibody.

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.



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

Note

For research use only.