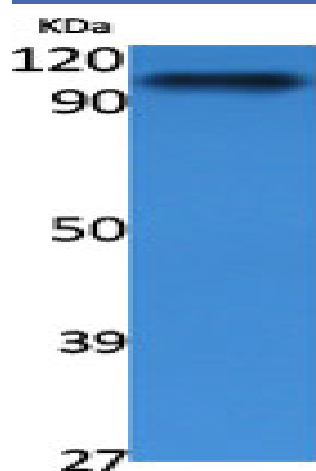


eEF2K Polyclonal Antibody

| | |
|------------------------------|---|
| 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 No : | O00418 |
| Mouse Swiss Prot No : | O08796 |
| 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. |

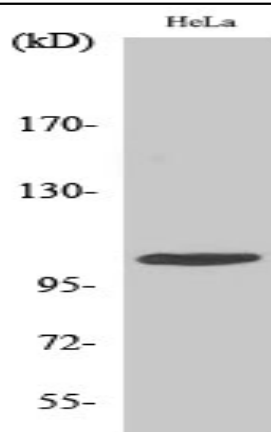
| | |
|-------------------------------|--|
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 105kD |
| Cell Pathway : | AMPK |
| Background : | This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling 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 Location : | cytoplasm,cytosol,postsynaptic density, |
| Expression : | Epithelium,Glial tumor,Lymph,T-cell, |

Products Images

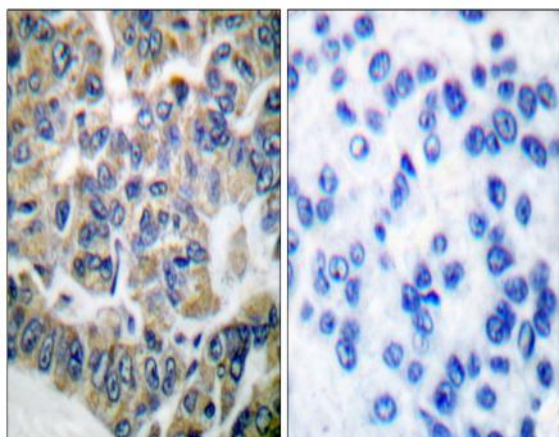


eEF2K

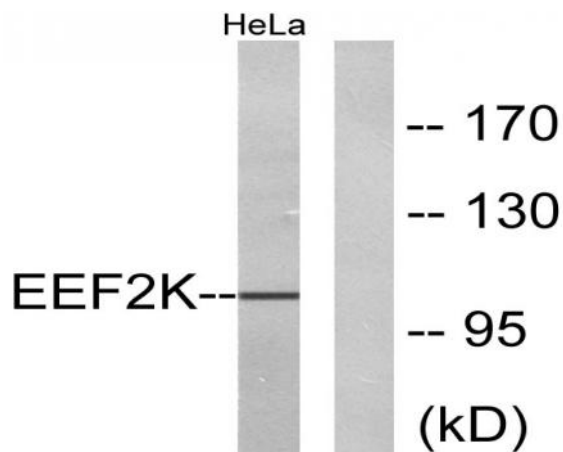
Western Blot analysis of various cells using eEF2K Polyclonal Antibody diluted at 1:500



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.



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.