

Anti-EEF2K Antibody

Rabbit polyclonal antibody to EEF2K Catalog # AP60452

Product Information

ApplicationWB, IHCPrimary Accession000418Other Accession008796

Reactivity Human, Rat, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 82144

Additional Information

Gene ID 29904

Other Names Eukaryotic elongation factor 2 kinase; eEF-2 kinase; eEF-2K;

Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human EEF2K. The exact sequence is proprietary.

Dilution WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC

(1/100 - 1/200)

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name EEF2K

Function Threonine kinase that regulates protein synthesis by controlling the rate of

peptide chain elongation. Upon activation by a variety of upstream kinases including AMPK or TRPM7, phosphorylates the elongation factor EEF2 at a single site, renders it unable to bind ribosomes and thus inactive. In turn, the

rate of protein synthesis is reduced.

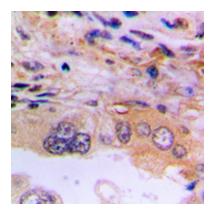
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EEF2K. The exact sequence is proprietary.

Images



Western blot analysis of EEF2K expression in MCF7 (A) whole cell lysates.



Immunohistochemical analysis of EEF2K staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.