

# Anti-EEF2K (pS366) Antibody

Rabbit polyclonal antibody to EEF2K (pS366) Catalog # AP60130

#### **Product Information**

Application WB, IHC Primary Accession 000418

Reactivity Human, Rat, Monkey

HostRabbitClonalityPolyclonalCalculated MW82144

#### **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 (pS366). 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

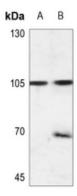
peptide chain elongation. Upon activation by a variety of upstream kinases including AMPK or TRPM7, phosphorylates the elongation factor EEF2 at a single site, renders it unable to bind ribosomes and thus inactive. In turn, the

rate of protein synthesis is reduced.

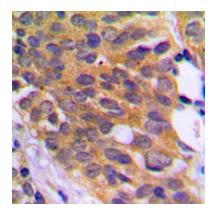
## **Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EEF2K (pS366). The exact sequence is proprietary.

## **Images**



Western blot analysis of EEF2K (pS366) expression in DLD (A), rat muscle (B) whole cell lysates.



Immunohistochemical analysis of EEF2K (pS366) staining in human prostate 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'.