

**EEF2K (Ser366) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22222a**

## Specification

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### EEF2K (Ser366) Antibody - Product Information

Application	WB,E
Primary Accession	<a href="#">O00418</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	82144

### EEF2K (Ser366) Antibody - Additional Information

**Gene ID** 29904

#### Other Names

Eukaryotic elongation factor 2 kinase, eEF-2 kinase, eEF-2K, 2.7.11.20,  
Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase, EEF2K

#### Target/Specificity

This EEF2k (Ser366) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 337-371 amino acids from human EEF2k.

#### Dilution

WB~~1:2000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

EEF2K (Ser366) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### EEF2K (Ser366) Antibody - 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

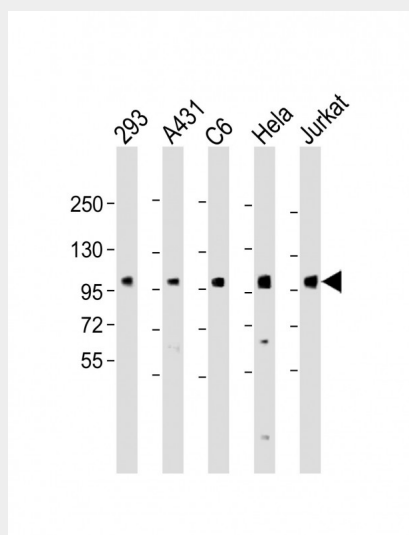
thus inactive. In turn, the rate of protein synthesis is reduced.

### EEF2K (Ser366) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### EEF2K (Ser366) Antibody - Images



All lanes : Anti-EEF2k Antibody at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: A431 whole cell lysate Lane 3: C6 whole cell lysate Lane 4: HeLa whole cell lysate Lane 5: Jurkat whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### EEF2K (Ser366) Antibody - Background

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.

### EEF2K (Ser366) Antibody - References

- Ryazanov A.G., et al. Proc. Natl. Acad. Sci. U.S.A. 94:4884-4889(1997).  
Martin J., et al. Nature 432:988-994(2004).  
Pavur K.S., et al. Biochemistry 39:12216-12224(2000).  
Knebel A., et al. EMBO J. 20:4360-4369(2001).  
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