

**Phospho-eEF2k (Ser366) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP3916a**

**Specification**

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**Phospho-eEF2k (Ser366) Antibody - Product Information**

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

**Phospho-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 Phospho-eEF2k (Ser366) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 337-371 amino acids from the human region of human EEF2k.

**Dilution**

WB~~1:500

**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**

Phospho-eEF2k (Ser366) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Phospho-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,

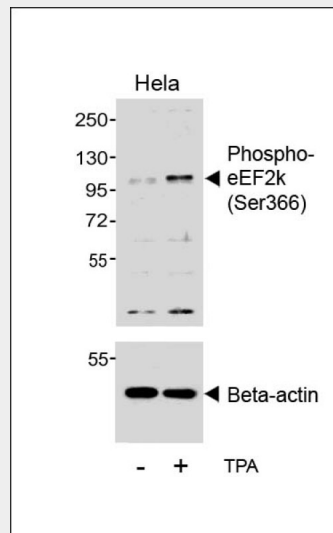
phosphorylates the elongation factor eEF2 at a single site, renders it unable to bind ribosomes and thus inactive. In turn, the rate of protein synthesis is reduced.

### Phospho-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](#)

### Phospho-eEF2k (Ser366) Antibody - Images



Western blot analysis of lysates from HeLa cell line, untreated or treated with TPA, 200nM, using (Cat. #AP3916a)(upper) or Beta-actin (lower).

### Phospho-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.

### Phospho-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).  
Wang X., et al. EMBO J. 20:4370-4379(2001).