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

Specification

Phospho-eEF2k (Ser366) Antibody - Product Information

Application	**WB,E**
Primary Accession	O00418
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
E~~Use at an assay dependent concentration.

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

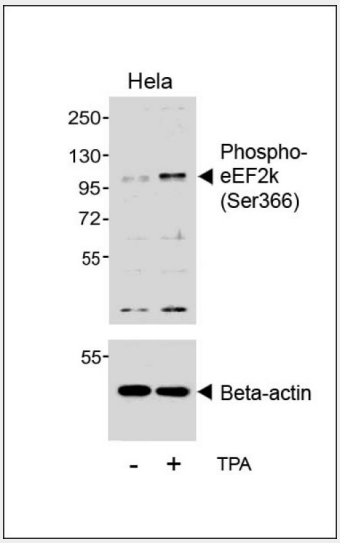
chain elongation. Upon activation by a variety of upstream kinases including AMPK or TRPM7, phosphorylates the elongation factor EEF2 at a single site, renders it unable to bind ribosomes and thus inactive. In turn, the rate of protein synthesis is reduced.

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 Cytomety
- 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).
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