

Mouse Eef2k Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14838a**Specification**

Mouse Eef2k Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O08796
Other Accession	NP_031934.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	81739
Antigen Region	178-205

Mouse Eef2k Antibody (N-term) - Additional Information**Gene ID** 13631**Other Names**

Eukaryotic elongation factor 2 kinase, eEF-2 kinase, eEF-2K, Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase, Eef2k

Target/Specificity

This Mouse Eef2k antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 178-205 amino acids from the N-terminal region of mouse Eef2k.

Dilution

WB~~1:1000

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

Mouse Eef2k Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Eef2k Antibody (N-term) - Protein Information**Name** Eef2k

Function Threonine kinase that regulates protein synthesis by controlling the rate of peptide chain elongation (PubMed:[34815424](#), PubMed:[9144159](#)). 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 (PubMed:[34815424](#), PubMed:[9144159](#)). In turn, the rate of protein synthesis is reduced (PubMed:[34815424](#), PubMed:[9144159](#)).

Tissue Location

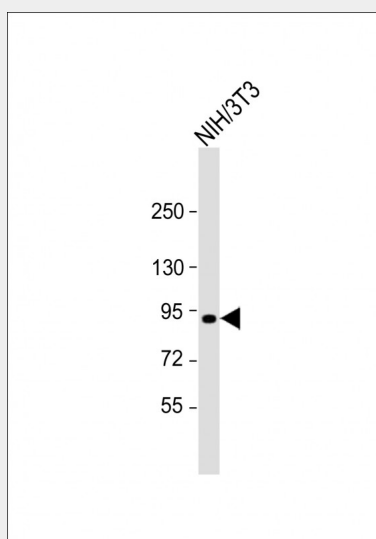
Ubiquitously expressed (PubMed:9144159). Particularly abundant in skeletal muscle and heart (PubMed:9144159)

Mouse Eef2k Antibody (N-term) - 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](#)

Mouse Eef2k Antibody (N-term) - Images



Anti-Mouse Eef2k Antibody (N-term) at 1:1000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg 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.

Mouse Eef2k Antibody (N-term) - Background

Phosphorylates eukaryotic elongation factor-2. Binds calmodulin (By similarity).

Mouse Eef2k Antibody (N-term) - References

Khan, A.A., et al. Am. J. Pathol. 177(1):481-492(2010)
Shen, Q., et al. Parkinsonism Relat. Disord. 15(7):525-531(2009)

Py, B.F., et al. Autophagy 5(3):393-396(2009)

Im, H.I., et al. PLoS ONE 4 (10), E7424 (2009) :

Crawley, S.W., et al. Biochim. Biophys. Acta 1784(6):908-915(2008)