

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

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**Mouse Eef2k Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">O08796</a>      |
| Other Accession   | <a href="#">NP_031934.1</a> |
| 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

**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:[9144159](#), PubMed:[34815424](#)). 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:[9144159](#), PubMed:[34815424](#)). In turn, the rate of protein synthesis is reduced (PubMed:[9144159](#), PubMed:[34815424](#)).

#### **Tissue Location**

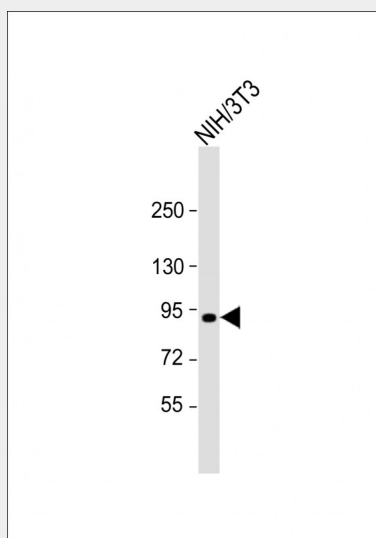
Ubiquitously expressed (PubMed:9144159). Particularly abundant in skeletal muscle and heart (PubMed:9144159)

#### **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)