

# Mouse Eef2k Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14838a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">O08796</a>
<b>Other Accession</b>	<a href="#">NP_031934.1</a>
<b>Reactivity</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB34759
<b>Calculated MW</b>	81739
<b>Antigen Region</b>	178-205

## Additional Information

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<b>Gene ID</b>	13631
<b>Other Names</b>	Eukaryotic elongation factor 2 kinase, eEF-2 kinase, eEF-2K, Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase, Eef2k
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Mouse Eef2k Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Eef2k
<b>Function</b>	Threonine kinase that regulates protein synthesis by controlling the rate of peptide chain elongation (PubMed: <a href="#">34815424</a> , PubMed: <a href="#">9144159</a> ). 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)

## Background

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

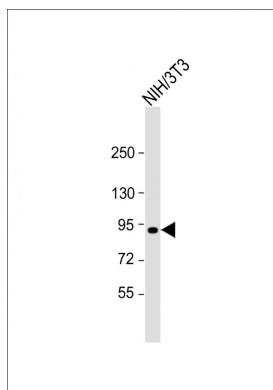
## References

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Shen, Q., et al. Parkinsonism Relat. Disord. 15(7):525-531(2009)  
Py, B.F., et al. Autophagy 5(3):393-396(2009)  
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## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.