

# PERK Mouse mAb

Catalog No.: A16314 **2 Publications**

## Basic Information

### Observed MW

125kDa

### Calculated MW

125kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2, leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. This protein is thought to modulate mitochondrial function. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

9451

### Swiss Prot

Q9NZJ5

### Immunogen

Recombinant protein of human PERK

### Synonyms

PEK; WRS; PERK

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgG

### Purification

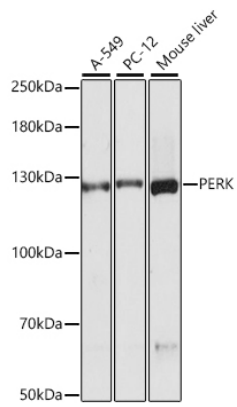
Affinity purification

### Storage

Store at 4°C (regular) or -20°C (long term). Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide, pH7.3.

## Validation Data

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Western blot analysis of various lysates using PERK Mouse mAb (A16314).  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.