

A16314

Leader in Biomolecular Solutions for Life Science



## PERK Mouse mAb

Catalog No.: A16314 **2 Publications**

### Basic Information

#### Observed MW

125kDa

#### Calculated MW

125kDa

#### Category

Monoclonal Antibody

#### Applications

WB, ELISA

#### 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

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Immunogen Information

#### Gene ID

9451

#### Swiss Prot

Q9NZJ5

#### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

#### Synonyms

PEK; WRS; PERK

### Contact

 [www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Mouse

#### Isotype

IgG

#### Purification

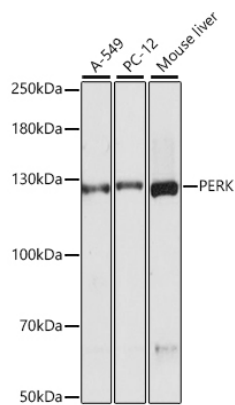
Affinity purification

#### 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

---



Western blot analysis of various lysates using PERK Mouse mAb (A16314).

Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.