

# PERK Rabbit pAb

Catalog No.: A25172

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

125kDa

### Category

Primary antibody

### Applications

IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse

## 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

**IF/ICC** 1:50 - 1:200

**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

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

PEK; WRS; PERK

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

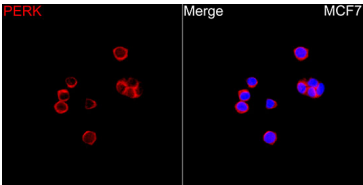
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

# Validation Data

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Immunofluorescence analysis of MCF7 cells using PERK Rabbit pAb(A25172) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.