

PERK Rabbit pAb

Catalog No.: A25172

Basic Information

Observed MW

Refer to figures

Calculated MW

125kDa

Category

Primary antibody

Applications

ELISA, IF/ICC

Cross-Reactivity

Human

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

Immunogen Information

Gene ID

9451

Swiss Prot

Q9NZJ5

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 50-600 of human PERK(NP_004827.4).

Synonyms

PEK; WRS; PERK

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

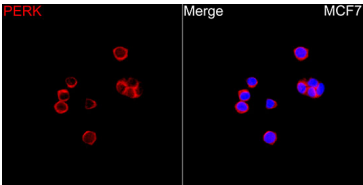
Affinity purification

Storage

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

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

Validation Data



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.