

PERK Rabbit pAb

Catalog No.: A11938 **1 Publications**

Basic Information

Observed MW

125kDa

Calculated MW

125kDa

Category

Primary antibody

Applications

WB

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

WB 1:500 - 1:1000

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

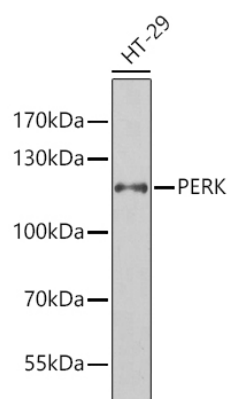
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from HT-29 cells, using PERK Rabbit pAb (A11938).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.