
Product Name: PERK Rabbit Monoclonal Antibody**Catalog #: AMRe21506**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Concentration	0.3mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
Purification	Protein A

Application

Dilution Ratio	WB 1:1000-1:5000;IF 1:200-1:1000;ELISA 1:5000-1:20000;
Molecular Weight	Calculated MW:125kD;Observed MW:140kD

Antigen Information

Gene Name	PERK
Alternative Names	EIF2AK3;PEK;PERK;Eukaryotic translation initiation factor 2-alpha kinase 3;PRKR-like endoplasmic reticulum kinase;Pancreatic eIF2-alpha kinase;HsPEK
Gene ID	9451.0
SwissProt ID	Q9NZJ5
Immunogen	Recombinant protein of human PERK

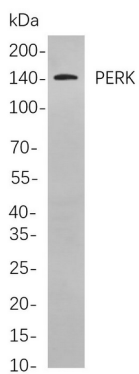
Background

Cell localization:Endoplasmic reticulum membrane.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. [provided by RefSeq, Sep 2015],

Research Area

Image Data



Western blot analysis of lysates from HepG2 cells, using PERK Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.