

AP1420

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Phospho-PERK-T982 Rabbit mAb

Catalog No.: AP1420

Recombinant

Basic Information

Observed MW

Calculated MW

125kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC58933

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

IHC-P 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

A synthetic phosphorylated peptide around T982 of human PERK.

Synonyms

PEK; WRS; PERK; Phospho-PERK-T982

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

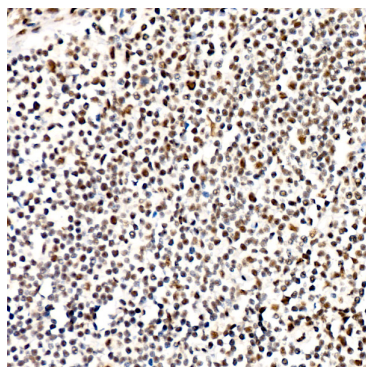
Affinity purification

Storage

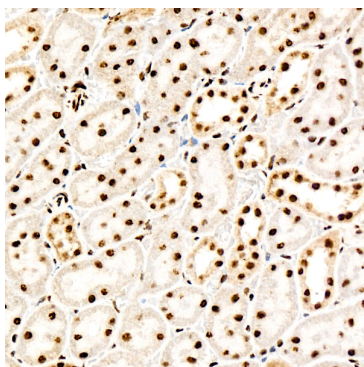
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

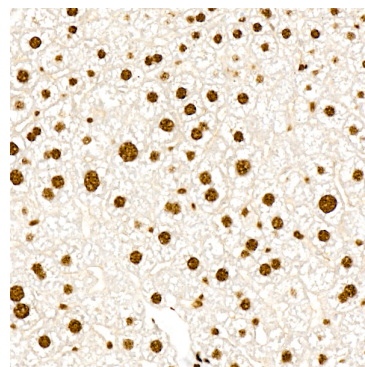
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Phospho-PERK-T982 Rabbit mAb (AP1420) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Phospho-PERK-T982 Rabbit mAb (AP1420) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using Phospho-PERK-T982 Rabbit mAb (AP1420) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.