

# Phospho-PERK-T982 Rabbit mAb

Catalog No.: AP1420 **Recombinant**

## Basic Information

### Observed MW

**Calculated MW**  
125kDa

**Category**  
Primary antibody

**Applications**  
ELISA, IHC-P

**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

## Immunogen Information

|                        |                             |
|------------------------|-----------------------------|
| <b>Gene ID</b><br>9451 | <b>Swiss Prot</b><br>Q9NZJ5 |
|------------------------|-----------------------------|

**Immunogen**  
A synthetic phosphorylated peptide around T982 of human PERK.

**Synonyms**  
PEK; WRS; PERK; Phospho-PERK-T982

## Contact

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 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

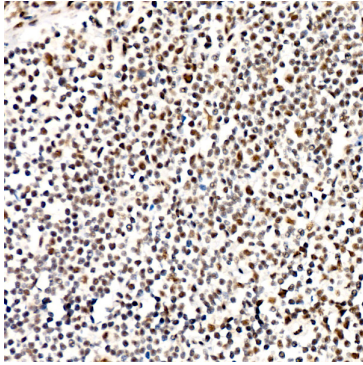
## Product Information

|                         |                       |  |
|-------------------------|-----------------------|--|
| <b>Source</b><br>Rabbit | <b>Isotype</b><br>IgG | <b>Purification</b><br>Affinity purification |
|-------------------------|-----------------------|--|

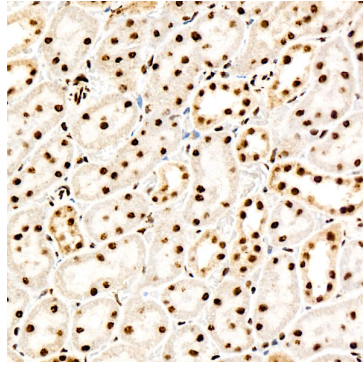
**Storage**  
Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

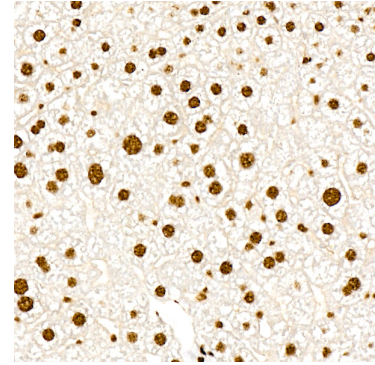
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Immunohistochemistry analysis of paraffin-embedded Human tonsil using Phospho-PERK-T982 Rabbit mAb (AP1420) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Phospho-PERK-T982 Rabbit mAb (AP1420) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using Phospho-PERK-T982 Rabbit mAb (AP1420) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.