

## PERK(Phospho-Thr980) Antibody HRP Conjugated

Catalog No: #C04628H

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## Description

Product Name	PERK(Phospho-Thr980) Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WBB B IHC-PB IHC-F
Species Reactivity	HuB MsB RtB B
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 960-1010 1114 derived from mouse PERK around the phosphorylation site of Thr981
Conjugates	HRP
Target Name	PERK Thr980
Other Names	Pek; Perk; A1427929; Eukaryotic translation initiation factor 2-alpha kinase 3; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; Eif2ak3
Accession No.	Swiss-Prot#Q9Z2B5NCBI Gene ID13666
Uniprot	Q9Z2B5
GeneID	13666;
Excitation Emission	N A
Cell Localization	Cytoplasm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

WB=1:500-2000B B IHC-P=1:50-200B IHC-F=1:50-200B

## Background

Phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation and thus to a rapid reduction of translational initiation and repression of global protein synthesis. Serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin-D1 (CCND1). Involved in control of mitochondrial morphology and function.

Note: This product is for in vitro research use only