

PEK/PERK Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP12928
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human PEK/PERK Polyclonal
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Eukaryotic translation initiation factor 2-alpha kinase 3
Synonyms	Eukaryotic translation initiation factor 2-alpha kinase 3 ;EC 2.7.11.1;PRKR-like endoplasmic reticulum kinase;Pancreatic eIF2-alpha kinase;HsPEK; Eukaryotic translation initiation factor 2-alpha kinase 3; EC 2.7.11.1; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; HsPEK

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

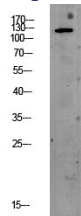
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000 - 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of CACO2 lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year