

## PEK/PERK Polyclonal Antibody

### Description

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

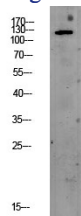
### Recommended Dilution

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