Datasheet for ABIN1532072

anti-PERK antibody (pThr981)

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Overview

Quantity:	100 µL
Target:	PERK (EIF2AK3)
Binding Specificity:	AA 947-996, pThr981
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PERK antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human PEK/PERK around the phosphorylation site of Thr981.
Isotype:	IgG
Specificity:	PEK/PERK (Phospho-Thr981) Antibody detects endogenous levels of PEK/PERK only when phosphorylated at Thr981. PhosphorylationH:T981 M:T980 R:T974
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

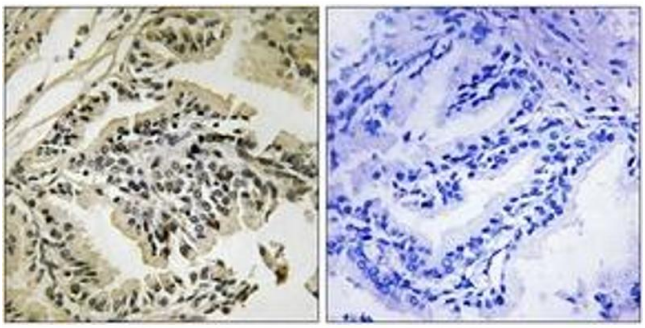
Target:	PERK (EIF2AK3)
Alternative Name:	PEK/PERK (EIF2AK3 Products)
Background:	Synonyms: PRKR-like endoplasmic reticulum kinase, Pancreatic eIF2-alpha kinase, HsPEK NCBI Gene Symbol: EIF2AK3
Molecular Weight:	125 kDa
Gene ID:	9451
OMIM:	226980
UniProt:	Q9NZJ5
Pathways:	Hormone Transport, ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Hepatitis C, Unfolded Protein Response

Application Details

Application Notes:	IHC: 1:50~1:100 ELISA: 1:40000
Comment:	Unigene-Number: Hs.591589 (NCBI Gene Symbol: EIF2AK3)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma, using PEK/PERK (Phospho-Thr981) Antibody. The picture on the right is treated with the synthesized peptide.