

Datasheet for ABIN7638520 **anti-PERK antibody**

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Overview

Quantity:	100 µL
Target:	PERK (EIF2AK3)
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PERK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3 (EIF2aK3)
Immunogen:	RPE975Mu02Recombinant Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3 (EIF2aK3)
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against EIF2aK3. It has been selected for its ability to recognize EIF2aK3 in immunohistochemical staining and western blotting.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	PERK (EIF2AK3)
Alternative Name:	EIF2aK3 (EIF2AK3 Products)

Target Details

Background:	WRS, PEK, PERK, HsPEK, PRKR-like endoplasmic reticulum kinase, Pancreatic eIF2-alpha kinase
UniProt:	Q9Z2B5
Pathways:	Hormone Transport , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Hepatitis C , Unfolded Protein Response

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	500 µg/mL
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.