

Datasheet for ABIN7384367 **anti-PERK antibody**

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Overview

Quantity:	50 µL
Target:	PERK (EIF2AK3)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PERK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Clone:	R09-1F9
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	PERK (EIF2AK3)
Alternative Name:	PERK (EIF2AK3 Products)
Background:	DKFZp781H1925,E2AK3,EC 2.7.11.1,Eif2ak3,Eukaryotic translation initiation factor 2 alpha kinase 3,Eukaryotic translation initiation factor 2-alpha kinase 3,Heme regulated EIF2 alpha kinase,HRI,HsPEK,Pancreatic eIF2 alpha kinase,Pancreatic eIF2-alpha kinase,PEK,PRKR like endoplasmic reticulum kinase,PRKR-like endoplasmic reticulum kinase,WRS,The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation

Target Details

factor 2 (EIF2), leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. 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.

Molecular Weight: Observed_MW: 140kDa
Calculated_MW: 125kDa

Gene ID: 9451

UniProt: [Q9NZJ5](#)

Pathways: [Hormone Transport](#), [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Hepatitis C](#), [Unfolded Protein Response](#)

Application Details

Application Notes: WB 1:500-1:1000

Restrictions: For Research Use only

Handling

Concentration: 300 µg/mL

Buffer: 50 mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40 % Glycerol, 0.01 % Sodium azide and 0.05 % BSA

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: Store at -20°C. Avoid freeze / thaw cycles.