

Datasheet for ABIN6243642
anti-PERK antibody (AA 530-850)



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1 Image

Overview

Quantity:	200 µL
Target:	PERK (EIF2AK3)
Binding Specificity:	AA 530-850
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PERK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This EIF2AK3 antibody is generated from a mouse immunized with a recombinant protein conjugated synthetic peptide between 530-850 amino acids from human EIF2AK3.
Clone:	1385CT582-4-39
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	PERK (EIF2AK3)
Alternative Name:	EIF2AK3 (EIF2AK3 Products)
Background:	Phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to

Target Details

its inactivation and thus to a rapid reduction of translational initiation and repression of global protein synthesis. Serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin-D1 (CCND1). Involved in control of mitochondrial morphology and function (By similarity).

Molecular Weight: 125216

UniProt: [Q9NZJ5](#)

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

Application Details

Application Notes: WB: 1:250-1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

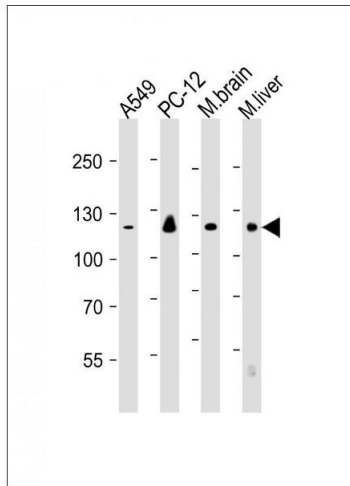
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-EIF2AK3 Antibody at 1:250-1:1000 dilution Lane 1: A549 whole cell lysate Lane 2: PC-12 whole cell lysate Lane 3: mouse brain lysate Lane 4: mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 125 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.