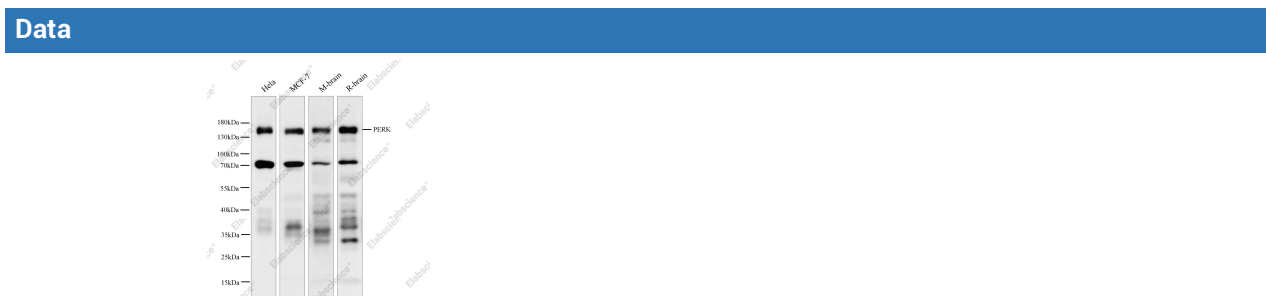


Recombinant PERK Monoclonal Antibody

catalog number: **AN301005L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human PERK protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C170629
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	Recommended Dilution
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000



Western blot analysis of HeLa, MCF7, Mouse brain and Rat brain cell lysates using PERK Antibody (AN301005L) at a dilution of 1:1500.

Observed-MW:140 kDa

Calculated-MW:125 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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.