

## Recombinant PERK Monoclonal Antibody

catalog number: AN301005L

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

### Description

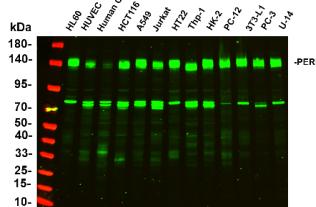
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human PERK protein
Host	Rabbit
Isotype	IgG,k
Clone	B756
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

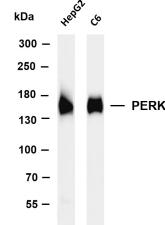
### Recommended Dilution

WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

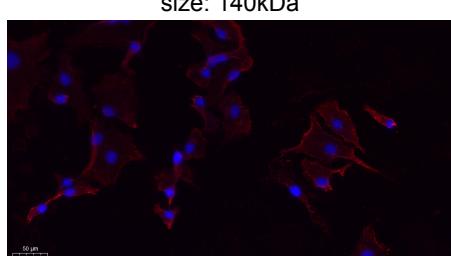
### Data



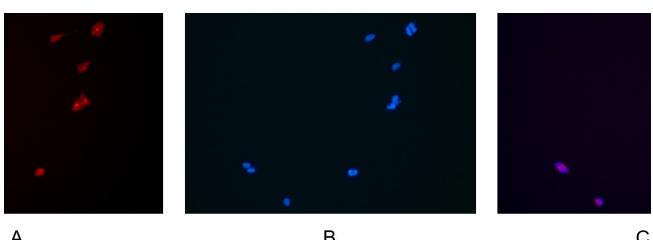
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:2500 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 Lane2: HUVEC Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14. Predicted band size: 125kDa Observed band size: 140kDa



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-PERK antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: C6 Predicted band size: 125kDa Observed band size: 140kDa



Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, DAPI(blue) 10min.



Immunofluorescence analysis of HEK293. Picture A: Bax antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

### Preparation & Storage

#### Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

### For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

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Rev. V1.2

### 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 malfolded proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome.

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