

## Recombinant Phospho-PERK (Thr980) Monoclonal Antibody

catalog number: **AN301388L**

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

### Description

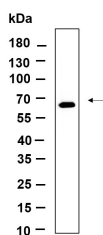
<b>Reactivity</b>	Mouse;Rat
<b>Immunogen</b>	A synthetic peptide corresponding to residues around (Thr980) of Mouse Phospho-PERK
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	10A11
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

<b>WB</b>	1:2000-1:10000
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### Data



Western Blot with Recombinant Phospho-PERK (Thr980)  
Monoclonal Antibody at dilution of 1:1000 dilution. Lane A:  
NIH/3T3 lysate.

**Observed-MW:125 kDa**

**Calculated-MW:125 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	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.

### For Research Use Only

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