

Anti-PERK Rabbit pAb



WL03378

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

| | | |
|----------------------------|---|---------------|
| Product name | Anti-PERK Rabbit pAb | |
| Source | Rabbit | |
| Species reactivity | Human, Mouse, Rat | |
| Tested applications | Western blot | 1:1000-1:2000 |
| Pack size | 50/100/200/500/1000μl | |
| Storage | Store at -20°C. Avoid freeze/thaw cycles. | |
| Storage buffer | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide | |

General Information

Background

The PERK phosphorylates the alpha subunit of eukaryotic translation-initiation 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. Research studies have demonstrated that PERK deficient mice have defects in pancreatic β cells several weeks after birth, suggesting a role for PERK mediated translational control in protecting secretory cells from ER stress.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of PERK.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

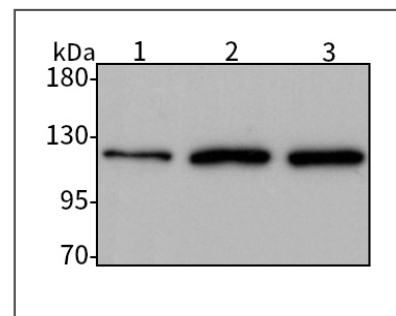
Anti-PERK Rabbit pAb



WL03378

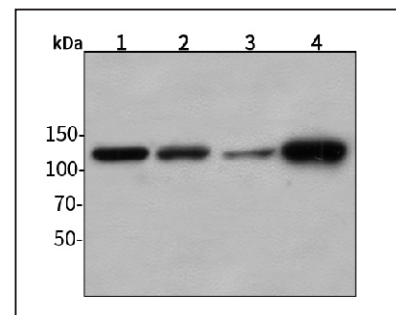
For Research Use Only. Not For Use In Diagnostic Procedures

Product Images



Western blot-Anti-PERK pAb

Lane 1: Human Hela cell lysate
 Lane 2: Human Calu-3 cell lysate
 Lane 3: Human Raji cell lysate
 All lanes: Anti-PERK at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 125 kDa
 Observed band size: 125 kDa



Western blot-Anti-PERK pAb

Lane 1: Mouse kidney tissue lysate
 Lane 2: Mouse brain tissue lysate
 Lane 3: Rat lung tissue lysate
 Lane 4: Rat colon tissue lysate
 All lanes: Anti-PERK at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 125 kDa
 Observed band size: 125 kDa