

PERK Rabbit monoclonal antibody

Catalog: MB66377

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Protein kinase-like endoplasmic reticulum kinase (PERK) is an eIF2 α kinase and transmembrane protein resident in the endoplasmic reticulum (ER) membrane that couples ER stress signals to translation inhibition. ER stress increases the activity of PERK, which then phosphorylates eIF2 α to promote reduced translation. 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. PERK activation during ER stress correlates with autophosphorylation of its cytoplasmic kinase domain. Phosphorylation of PERK at Thr980 serves as a marker for its activation status.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 140 kDa

Swiss-Prot:

Q9NZJ5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

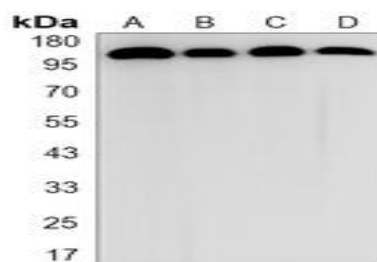
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of PERK protein.

DATA:



Western blot analysis of PERK expression in K562 (A), C6 (B), NIH3T3 (C), HeLa (D) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151