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## **PERK Antibody**

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 200117

**Unit:** 0.1 mg

### **Description:**

PERK, a Ser/Thr protein kinase, phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation and to a rapid reduction of translational initiation and repression of global protein synthesis. PERK serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin D1. Defects in PERK are the cause of Wolcott-Rallison syndrome, an early-onset diabetes mellitus.

**Isotype:** Rabbit Ig

**Applications:** E, WB

**Species Reactivity:** H, M, R

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 17% glycerol with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** Eukaryotic translation initiation factor 2-alpha kinase 3; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; HsPEK; EIF2AK3; PEK; PERK

**Accession No.:** Q9NZJ5

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PERK.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.