
EIF2AK3 (5G5) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 253074

Unit: 0.1 ml

Description:

EIF2AK3 (Eukaryotic translation initiation factor 2-alpha kinase 3; PERK) is a Ser/Thr protein kinase. It 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: Mouse IgG1

Applications: WB

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

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: Purified recombinant fragment of human EIF2AK3 expressed in *E. coli*.

Application Notes: WB: 1:500-1:2000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

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