

EIF2AK3 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3889
Host	Mouse
Isotype	Mouse IgG1
Size	100 μ L, 50 μ L
Immunogen	Purified recombinant fragment of human EIF2AK3 expressed in E. Coli.
Mol wt	125kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	PEK;WRS;PERK;EIF2AK3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene 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. Mutations in this gene are associated with Wolcott-Rallison syndrome.

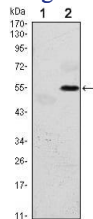
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using EIF2AK3 mAb against HEK293 (1) and EIF2AK3(AA: 929-1116)-hIgGFc transfected HEK293 (2) cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.