

PERK Monoclonal Antibody

Catalog No.	IMB0132
Reactivity	Human
Applications	WB; ELISA
Gene Name	EIF2AK3
Protein Name	Eukaryotic translation initiation factor 2-alpha kinase 3
Human Gene Id	9451
Swiss-Prot	Q9NZJ5
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Source	Monoclonal, Mouse
Dilution	WB: 1:500-1:2000 ELISA: 1:10000
Purification	Affinity purification
Concentration	-
Storage & Stability	-20°C/1 year
Background	The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2, leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. This protein is thought to modulate mitochondrial function. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by misfolded proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome. [provided by RefSeq, Sep 2015],
Subcellular Location.	Endoplasmic reticulum membrane; Single-pass type I membrane protein.
Biological MW	-

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