

Mouse Monoclonal Antibody to EIF2AK3

Catalogue Number	sAP-0467
Target Molecule	Name: EIF2AK3 Aliases: PEK; WRS; PERK; EIF2AK3 MW: 125kDa Entrez Gene ID: 9451
Description	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 malfolded proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome.
Immunogen	Purified recombinant fragment of human EIF2AK3 expressed in E. Coli.
Reactive Species	Human
Clone	MM5G5;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Autophagy. 2008 Apr 1;4(3):364-7. ; 2. J Biol Chem. 2008 Jun 20;283(25):17020-9. ; 3. Hum Mol Genet. 2008 Oct 15;17(20):3254-62.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**