

Mouse Monoclonal Antibody to EIF2AK2

Catalogue Number	sAP-0934
Target Molecule	Name: EIF2AK2 Aliases: PKR; PRKR; EIF2AK1 MW: 62kDa Entrez Gene ID: 5610
Description	The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene.
Immunogen	Purified recombinant fragment of human EIF2AK2 (AA: 329-551) expressed in E. Coli.
Reactive Species	Human;
Clone	MM6H3A10;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% 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; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Alzheimers Dis. 2010;21(4):1217-31.; 2. Mol Cells. 2011 Aug;32(2):167-72.

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 end users! This product is sold for **Research Use Only**