

## Mouse Monoclonal Antibody to EIF2AK2

<b>Catalogue Number</b>	sAP-0934
<b>Target Molecule</b>	<p><b>Name:</b> EIF2AK2</p> <p><b>Aliases:</b> PKR; PRKR; EIF2AK1</p> <p><b>MW:</b> 62kDa</p> <p><b>Entrez Gene ID:</b> 5610</p>
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of human EIF2AK2 (AA: 329-551) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM6H3A10;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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 ender users! This product is sold for **Research Use Only**