

Mouse Monoclonal Antibody to PIK3R1

Catalogue Number	sAP-0753
Target Molecule	<p>Name: PIK3R1</p> <p>Aliases: p85; GRB1; p85-ALPHA</p> <p>MW: 83.6kDa</p> <p>Entrez Gene ID: 5295</p>
Description	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms.
Immunogen	Purified recombinant fragment of human PIK3R1 (AA: 159-388) expressed in E. Coli.
Recitative Species	Human; Mouse;
Clone	MM8C11;
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; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Cancer Epidemiol Biomarkers Prev. 2011 May;20(5):923-33. 2.Cancer Res. 2010 Jul 1;70(13):5305-15.

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**