

Mouse Monoclonal Antibody to PIK3CG

Catalogue Number	sAP-1036
Target Molecule	Name: PIK3CG Aliases: PI3K; PIK3; PI3CG; PI3Kgamma; p110gamma; p120-PI3K MW: 126.5kDa Entrez Gene ID: 5294
Description	This gene encodes a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. Several transcript variants encoding the same protein have been found for this gene.
Immunogen	Purified recombinant fragment of human PIK3CG (AA: 1-100) expressed in E. Coli.
Recitative Species	Human;
Clone	MM4B5D2;
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
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Lab Invest. 2013 May;93(5):566-76.; 2. Biochem Biophys Res Commun. 2011 Jan 28;404(4):968-73.

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**