

## Mouse Monoclonal Antibody to RPTOR

Catalogue Number	sAP-0876
Target Molecule	<b>Name: RPTOR</b> <b>Aliases:</b> KOG1; Mip1 <b>MW: 149kDa</b> <b>Entrez Gene ID: 57521</b>
Description	This gene encodes a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels. The encoded protein forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for this gene. ;
Immunogen	Purified recombinant fragment of human RPTOR (AA: 874-1009) expressed in E. Coli.
Recitative Species	Human;
Clone	MM6G9C4;
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 <sub>2</sub> 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. PLoS Genet. 2010 Oct 28;6(10):e1001178. ; 2. Cell Cycle. 2011 Sep 15;10(18):3140-52. ;

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**