

Mouse Monoclonal Antibody to RPTOR

Catalogue Number sAP-0876

Target Molecule **Name:** RPTOR

Aliases: KOG1; Mip1

MW: 149kDa

Entrez Gene ID: 57521

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.

Reactive 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 H2O, 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**