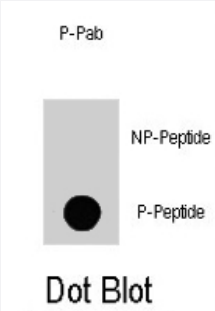
RPTOR (phospho S863) polyclonal antibody

Catalog # PAB1647 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of KIAA1303 (phospho S863) polyclonal antibody (Cat # PAB1647) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of RPTOR.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S863 of human RPTOR.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Dot Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Dot Blot (Peptide)

  Dot blot analysis of KIAA1303 (phospho S863) polyclonal antibody (Cat # PAB1647) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Gene Info — RPTOR

Entrez GeneID	57521
Protein Accession#	NP_065812;Q8N122
Gene Name	RPTOR
Gene Alias	KOG1, Mip1
Gene Description	regulatory associated protein of MTOR, complex 1
Omim ID	607130
Gene Ontology	Hyperlink
Gene Summary	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 kin ase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal prot ein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kina se, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isofo rms have been found for this gene. [provided by RefSeq
Other Designations	p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats|regulatory associated pr otein of mTOR

Publication Reference

- Interferon-gamma induces human vascular smooth muscle cell proliferation and intimal expansion by phosphatidylinositol 3-kinase dependent mammalian target of rapamycin raptor complex 1 activation.

  Wang Y, Bai Y, Qin L, Zhang P, Yi T, Teesdale SA, Zhao L, Pober JS, Tellides G.

  Circulation Research 2007 Sep; 101(6):560.

- ASCT2 silencing regulates mammalian target-of-rapamycin growth and survival signaling in human hepatoma cells.

  Fuchs BC, Finger RE, Onan MC, Bode BP.

  American Journal of Physiology. Cell Physiology 2007 Feb; 293(1):C55.

- Global, in vivo, and site-specific phosphorylation dynamics in signaling networks.

  Olsen JV, Blagoev B, Gnad F, Macek B, Kumar C, Mortensen P, Mann M.

  Cell 2006 Nov; 127(3):635.

Pathway

- Insulin signaling pathway
- mTOR signaling pathway

Disease

- Genetic Predisposition to Disease
- Tobacco Use Disorder
- Urinary Bladder Neoplasms