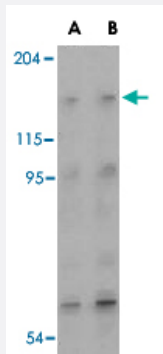


# RPTOR polyclonal antibody

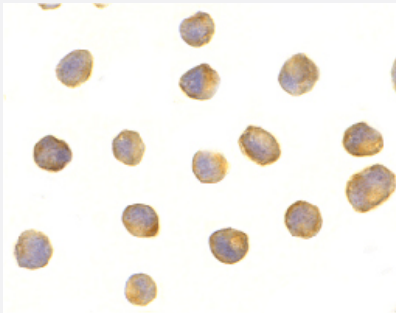
Catalog # PAB13419      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of RPTOR in L1210 cell lysate with RPTOR polyclonal antibody (Cat # PAB13419) at (A) 2 and (B) 4 ug/mL .



### Immunocytochemistry

Immunocytochemistry staining of L1210 cells using RPTOR polyclonal antibody (Cat # PAB13419) at 1 ug/mL

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of RPTOR.
<b>Immunogen</b>	A synthetic peptide corresponding to internal region 15 amino acids of human RPTOR.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Specificity</b>	Raptor has multiple isoforms that may also be recognized by antibody.
<b>Form</b>	Liquid

<b>Recommend Usage</b>	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of RPTOR in L1210 cell lysate with RPTOR polyclonal antibody (Cat # PAB13419) at (A) 2 and (B) 4 ug/mL .

- Immunocytochemistry

Immunocytochemistry staining of L1210 cells using RPTOR polyclonal antibody (Cat # PAB13419) at 1 ug/mL

## Gene Info — RPTOR

<b>Entrez GeneID</b>	<a href="#">57521</a>
<b>Protein Accession#</b>	<a href="#">Q8N122</a>
<b>Gene Name</b>	RPTOR
<b>Gene Alias</b>	KOG1, Mip1
<b>Gene Description</b>	regulatory associated protein of MTOR, complex 1
<b>Omim ID</b>	<a href="#">607130</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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. [provided by RefSeq]
<b>Other Designations</b>	p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats regulatory associated protein of mTOR

## Publication Reference

- [Target of rapamycin \(TOR\): an integrator of nutrient and growth factor signals and coordinator of cell growth and cell cycle progression.](#)

Fingar DC, Blenis J.

Oncogene 2004 Apr; 23(18):3151.

- [Integration of growth factor and nutrient signaling: implications for cancer biology.](#)

Shamji AF, Nghiem P, Schreiber SL.

Molecular Cell 2003 Aug; 12(2):271.

- [Amino acid sufficiency and mTOR regulate p70 S6 kinase and eIF-4E BP1 through a common effector mechanism.](#)

Hara K, Yonezawa K, Weng QP, Kozlowski MT, Belham C, Avruch J.

The Journal of Biological Chemistry 1998 Jun; 273(23):14484.

## Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)