

Rabbit anti-Human, Mouse Raptor Polyclonal Antibody | anti-Raptor antibody

Raptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305479	Rabbit	Human, Mouse	Immunocytochemistry, Western Blot, ELISA

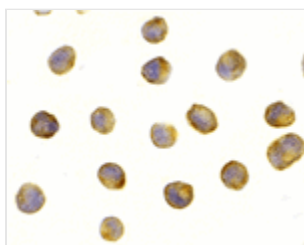
PRODUCT SYNONYMS

Raptor; Polyclonal Antibody; Raptor Antibody; anti-Raptor antibody

PRODUCT SPECIFICATIONS

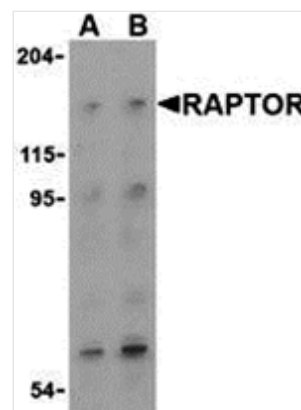
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	Raptor has multiple isoforms that may also be recognized by antibody.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1177
Applicable Applications for anti-Raptor antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide from the central region of human Raptor.
Target Name	Raptor
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry staining of L1210 cells using RAPTOR antibody at 1ug/mL



WB (Western Blot)

Western blot analysis of Raptor in L1210 cell lysate with Raptor (IN) antibody at (A) 2 and (B) 4 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Raptor antibody	The mammalian Target of Rapamycin (TOR, also known as mTOR) is an evolutionarily conserved serine/threonine kinase that regulates cell growth and cell cycle through its ability to integrate signals from nutrient levels and growth factors. Rapamycin inhibits TOR activity resulting in reduced cell growth and reduced rates of cell cycle and cell proliferation. Raptor (regulatory associated protein of TOR) is a TOR-binding protein essential for TOR signaling in vivo. It acts as a TOR scaffold protein whose binding by TOR substrates is necessary for effective TOR-catalyzed phosphorylation. These substrates include the ribosomal protein S6 kinase (RP S6K) and the eukaryotic initiation factor 4E binding protein 4EBP1, proteins necessary for cell growth and proliferation and responsive to nutrient and mitogen levels. Raptor binds these proteins through a common 5 amino acid TOR-signaling (TOS) motif; mutation of this motif prevents the TOR-dependent phosphorylation of these proteins.
Product Categories/Family for anti-Raptor antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	251823858
NCBI GeneID	57521
NCBI Accession #	NP_001156506.1
NCBI GenBank Nucleotide #	NM_001163034.1
UniProt Accession #	Q8N122; Q8N4V9; Q8TB32; Q9P2P3; B2RN36; C6KEF2; F5H7J5
Molecular Weight	131,515 Da
NCBI Official Full Name	regulatory-associated protein of mTOR isoform 2
NCBI Official Synonym Full Names	regulatory associated protein of MTOR, complex 1
NCBI Official Symbol	RPTOR
NCBI Official Synonym Symbols	KOG1; Mip1
NCBI Protein Information	regulatory-associated protein of mTOR
UniProt Protein Name	Regulatory-associated protein of mTOR
UniProt Gene Name	RPTOR
UniProt Synonym Gene Names	KIAA1303; RAPTOR; Raptor
UniProt Entry Name	RPTOR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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