

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

Raptor Antibody

CATALOG # AAA308281	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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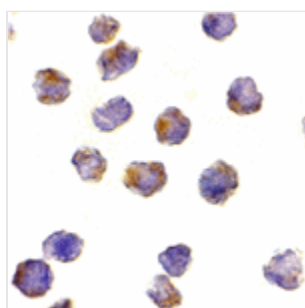
PRODUCT SYNONYMS

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

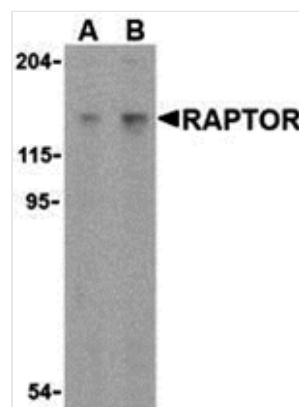
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	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	1335
Applicable Applications for anti-Raptor antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of mouse 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 of Raptor in L1210 cells with Raptor antibody at 10 ug/mL.


WB (Western Blot)

Western blot analysis of Raptor in L1210 cell lysate with Raptor 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 #	46577497
NCBI GeneID	74370
UniProt Accession #	Q8K4Q0; Q8C9W9; Q8CBY4; Q8CDY8; Q9D4H3
Molecular Weight	33,651 Da
NCBI Official Full Name	Regulatory-associated protein of mTOR
NCBI Official Synonym Full Names	regulatory associated protein of MTOR, complex 1
NCBI Official Symbol	Rptor
NCBI Official Synonym Symbols	Rap; Raptor; mKIAA1303; 4932417H02Rik
NCBI Protein Information	regulatory-associated protein of mTOR
UniProt Protein Name	Regulatory-associated protein of mTOR
UniProt Gene Name	Rptor
UniProt Synonym Gene Names	Raptor; Raptor
UniProt Entry Name	RPTOR_MOUSE

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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/raptor-antibody-immunocytochemistry-western-blot-elisa/308281>