

Rabbit anti-Human Raptor Polyclonal Antibody | anti-RPTOR antibody

Rabbit anti-Raptor Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211018	Rabbit	Human	Immunoprecipitation, Western Blot

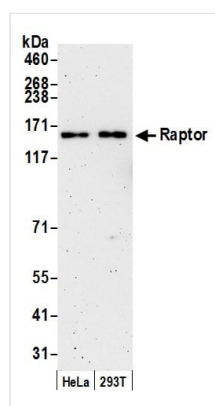
PRODUCT SYNONYMS

Raptor; Polyclonal Antibody; Rabbit anti-Raptor Antibody; Affinity Purified; p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats; regulatory-associated protein of mTOR; p150 target of rapamycin (TOR)-scaffold protein; Mip1; KOG1; raptor; Regulatory-associated protein of mTOR; regulatory associated protein of MTOR complex 1; anti-RPTOR antibody

PRODUCT SPECIFICATIONS

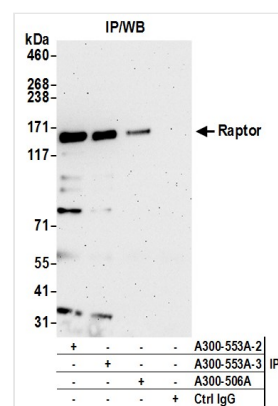
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-RPTOR antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Raptor by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Raptor antibody AAA211018 (lot AAA211018-3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human Raptor by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Raptor antibody AAA211018 (lot AAA211018-3) used for IP at 6 ug per reaction. Raptor was also immunoprecipitated by a previous lot of this antibody (lot AAA211018-2) and rabbit anti-Raptor antibody A300-506A. For blotting immunoprecipitated Raptor, AAA211018 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-RPTOR antibody	Raptor (regulatory-associated protein of mTOR) is part of the rapamycin sensitive mTORC1 complex which includes mTOR, and mLst8/GbetaL. S6K and 4EBP1 are substrates of mTORC1 kinase activity. Raptor is required for mTOR's ability to phosphorylate 4E-BP1 and physically interacts with 4EBP1 to act as a potential scaffold that bridges mTOR and 4EBP1 or S6K. The mTORC1 complex integrates cell signals to promote cell growth in response to growth factors.
Product Categories/Family for anti-RPTOR antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21979456
NCBI GeneID	57521
UniProt Accession #	Q8N122; Q8N4V9; Q8TB32; Q9P2P3; B2RN36; C6KEF2; F5H7J5
Molecular Weight	131,515 Da
NCBI Official Full Name	raptor
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

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-immunoprecipitation-western-blot-elisa/211018>