

mTOR Antibody | anti-mTOR antibody

mTOR (Phospho-Ser2481) Antibody

CATALOG # AAA267488	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry
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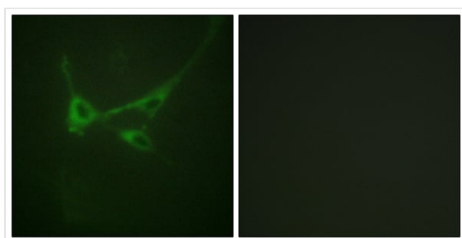
PRODUCT SYNONYMS

mTOR; mTOR (Phospho-Ser2481) Antibody; FRAP; FRAP1; FRAP2; RAFT1; Rapamycin target protein; kinase mTOR; anti-mTOR antibody

PRODUCT SPECIFICATIONS

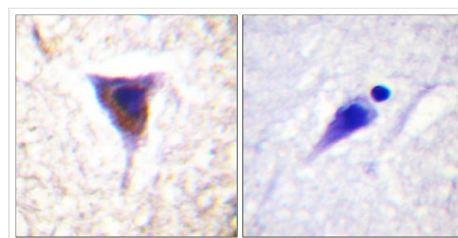
Reactivity	Human, Mouse, Rat
Specificity	mTOR (Phospho-Ser2481) antibody detects endogenous levels of mTOR only when phosphorylated at serine 2481.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	2549
Applicable Applications for anti-mTOR antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human mTOR around the phosphorylation site of serine 2481 (I-H-SP-F-I).
All Sites	Human: Ser2481 Mouse: Ser2481 Rat: Ser2481
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemistry analysis of paraffin-embedded human brain tissue using mTOR (Phospho-Ser2481) antibody. Immunofluorescence analysis of NIH/3T3 cells, using mTOR (Phospho-Ser2481) antibody.



Application Data

P-peptide-+

ADDITIONAL INFORMATION

References	Hajime Hosoi, Cancer Res., Feb 1999; 59: 886-894. P. T. Soliman, ASCO Meeting Abstracts, Jun 2005; 23: 5080. Megan S. Lim, Blood (ASH Annual Meeting Abstracts), Nov 2006; 108: 290. Patrick Frost, Blood (ASH Annual Meeting Abstracts), Nov 2004; 104: 646.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826730
NCBI GeneID	2475
NCBI Accession #	NP_004949.1
NCBI GenBank Nucleotide #	NM_004958.3
UniProt Accession #	P42345; Q4LE76; Q5TER1; Q6LE87; Q96QG3; Q9Y4I3
Molecular Weight	288,892 Da
NCBI Official Full Name	serine/threonine-protein kinase mTOR
NCBI Official Synonym Full Names	mechanistic target of rapamycin kinase
NCBI Official Symbol	MTOR
NCBI Official Synonym Symbols	SKS; FRAP; FRAP1; FRAP2; RAFT1; RAPT1
NCBI Protein Information	serine/threonine-protein kinase mTOR
UniProt Protein Name	Serine/threonine-protein kinase mTOR
UniProt Gene Name	MTOR
UniProt Synonym Gene Names	FRAP; FRAP1; FRAP2; RAFT1; RAPT1; mTOR

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/human-mouse-rat-antibody/mTOR/267488>