

mTOR Antibody | anti-mTOR antibody

mTOR (Phospho-Ser2448) Antibody

CATALOG # AAA267760	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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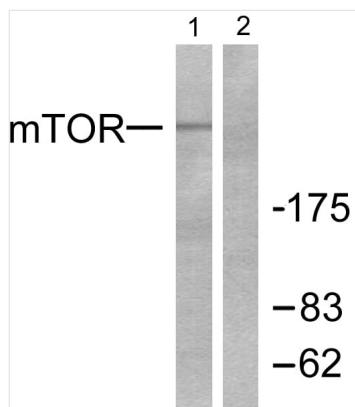
PRODUCT SYNONYMS

mTOR; mTOR (Phospho-Ser2448) Antibody; FRAP; FRAP1; FRAP2; RAFT2; Rapamycin target protein; kinase mTOR; anti-mTOR antibody

PRODUCT SPECIFICATIONS

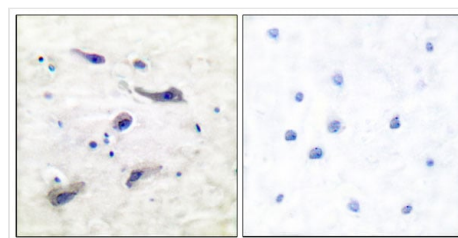
Reactivity	Human, Mouse, Rat
Specificity	mTOR (phospho-Ser2448) antibody detects endogenous levels of mTOR only when phosphorylated at serine 2448.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide 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, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human mTOR around the phosphorylation site of serine 2448 (T-D-SP-Y-S).
All Sites	Human: Ser2448 Mouse: Ser2448 Rat: Ser2448
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells treated with EGF (200ng/ml, 30mins), using mTOR (phospho-Ser2448) (Line 1 and 2).



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using mTOR (phospho-Ser2448) antibody.

ADDITIONAL INFORMATION

References	herine M. Hannan, Mol. Cell. Biol., Dec 2003; 23: 8862-8877. Dos D. Sarbassov, Science, Feb 2005; 307: 1098-1101. Susan W. Y. Cheng, J. Biol. Chem., Apr 2004; 279: 15719-15722. Charles H. Lang, Am J Physiol Endocrinol Metab, Dec 2003; 285: E1205-E1215.
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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/267760>