

Rabbit mTOR Polyclonal Antibody | anti-mTOR antibody

Phospho-mTOR (S2448) Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA172193	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

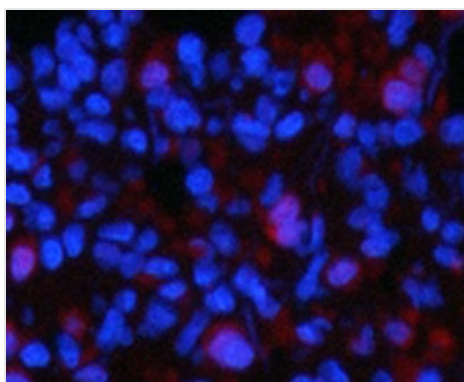
PRODUCT SYNONYMS

mTOR; Polyclonal Antibody; Phospho-mTOR (S2448) Polyclonal Antibody; MTOR; FRAP; FRAP1; FRAP2; RAFT1; RAPT1; Serine/threonine-protein kinase mTOR; FK506-binding protein 12-rapamycin complex-associated protein 1; FKBP12-rapamycin complex-associated protein; Mammalian target of rapamycin; Mechanistic target of rapamycin; anti-mTOR antibody

PRODUCT SPECIFICATIONS

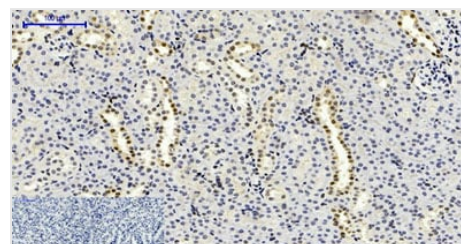
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4.
Concentration	1mg/ml (varies by lot)
Sequence Length	168
Applicable Applications for anti-mTOR antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from human mTOR around the phosphorylation site of S2448.
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



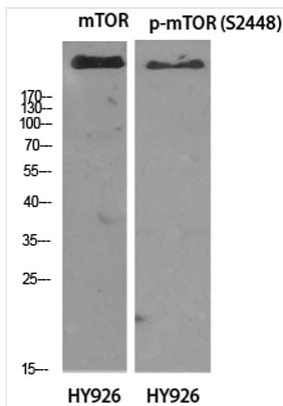
IF (Immunofluorescence)

Immunofluorescence analysis of Rat lung tissue with Phospho-mTOR (Ser2448) Polyclonal Antibody at dilution of 1:200



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney tissue with Phospho-mTOR (Ser2448) Polyclonal Antibody at dilution of 1:200



WB (Western Blot)

Western Blot analysis of various cells with Phospho-mTOR (Ser2448) Polyclonal Antibody at dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-mTOR antibody

MTOR, also named as FRAP1, FRAP, FRAP2 and RAPT1, belongs to the PI3/PI4-kinase family. MTOR is a Ser/Thr protein kinase that functions as an ATP and amino acid sensor to balance nutrient availability and cell growth. MTOR is Kinase subunit of both mTORC1 and mTORC2, which regulate cell growth and survival in response to nutrient and hormonal signals. mTORC1 is activated in response to growth factors or amino-acids. mTORC2 is also activated by growth factors, but seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. The antibody is specific to MTOR.

Product Categories/Family for anti-mTOR antibody

[Phospho Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	958895428
UniProt Accession #	P42345
Molecular Weight	Calculated MW: 289kDa Observed MW: 289kDa
NCBI Official Full Name	MTOR, partial
UniProt Protein Name	MTOR
UniProt Gene Name	MTOR
UniProt Entry Name	A0A0S7M2X4_9TELE

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/mtor-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/172193>