

Rabbit mTOR Polyclonal Antibody | anti-mTOR antibody

mTOR Polyclonal Antibody

CATALOG # AAA28241	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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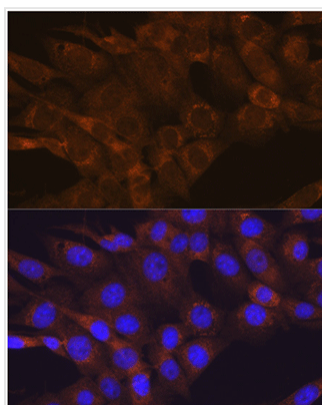
PRODUCT SYNONYMS

mTOR; Polyclonal Antibody; mTOR Polyclonal Antibody; FRAP; FRAP1; FRAP2; RAFT1; RAPT1; SKS; anti-mTOR antibody

PRODUCT SPECIFICATIONS

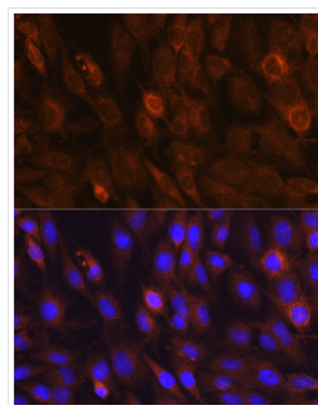
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	2549
Applicable Applications for anti-mTOR antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 2388-2487 of human mTOR (NP_004949.1).
Cross Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



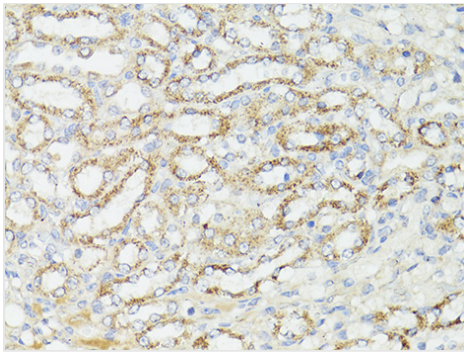
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using mTOR Rabbit pAb (AAA28241) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



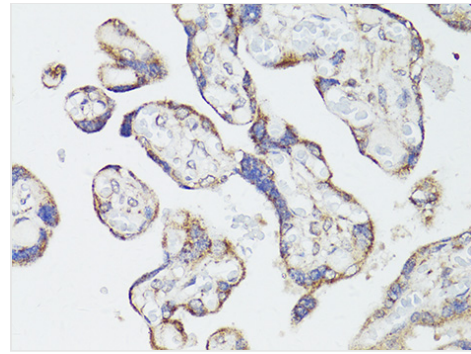
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using mTOR Rabbit pAb (AAA28241) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



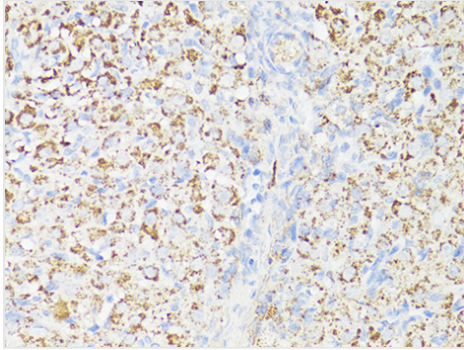
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using mTOR antibody at dilution of 1:150 (40x lens).



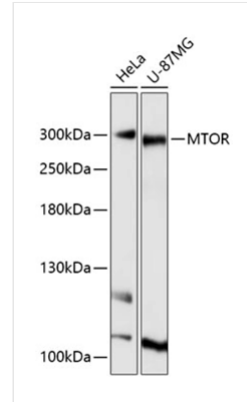
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using mTOR antibody (AAA28241) at dilution of 1:150 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat ovary using mTOR antibody (AAA28241) at dilution of 1:150 (40x lens).



WB (Western Blot)

Western Blot analysis of extracts of various cell lines, using mTOR antibody (AAA28241) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-mTOR antibody	The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene.
Product Categories/Family for anti-mTOR antibody	Primary antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	1169735
NCBI GeneID	2475
UniProt Accession #	P42345 ; Q4LE76 ; Q5TER1 ; Q6LE87 ; Q96QG3 ; Q9Y4I3
Molecular Weight	Observed MW: 300kDa Calculated MW: 288kDa
NCBI Official Full Name	Serine/threonine-protein kinase mTOR
NCBI Official Synonym Full Names	mechanistic target of rapamycin
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/polyclonal/mTOR-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28241>