

## Rabbit mTOR Polyclonal Antibody | anti-mTOR antibody

mTOR Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA30548  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence |

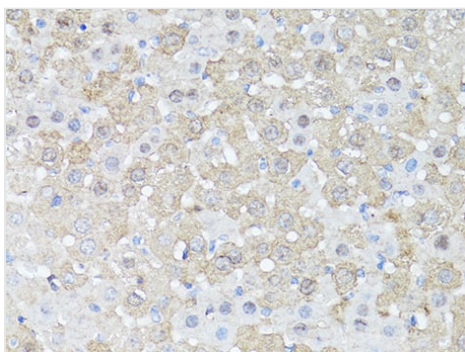
### PRODUCT SYNONYMS

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

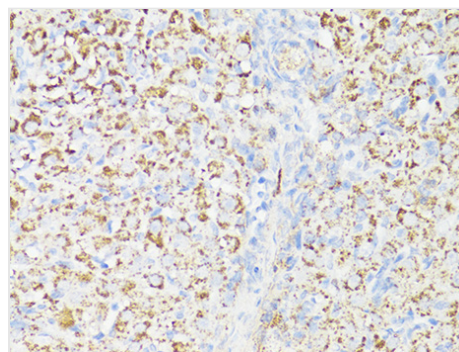
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | IgG                                                                                                                                                                                       |
| Purity/Purification                            | Affinity purification                                                                                                                                                                     |
| Form/Format                                    | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 176% glycerol.<br>PBS with 0.02% sodium azide, 50% glycerol, pH7.129 |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                                                                    |
| Applicable Applications for anti-mTOR antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)                                                                                                                    |
| Application Notes                              | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>IF: 1:50-1:200                                                                                                                                     |
| Immunogen                                      | Recombinant fusion protein of human mTOR (NP_004949.1)                                                                                                                                    |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                          |

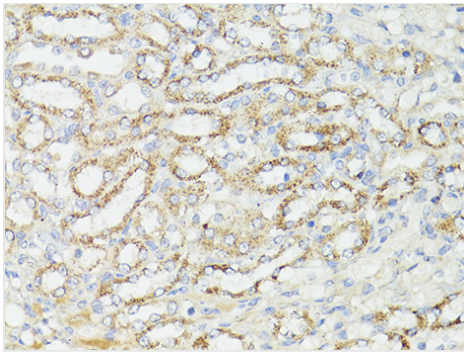
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse liver using mTOR antibody at dilution of 1:150 .

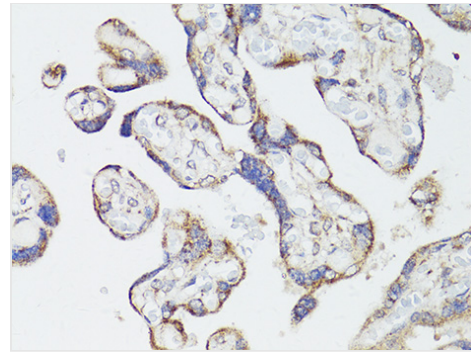

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat ovary using mTOR antibody at dilution of 1:150 .



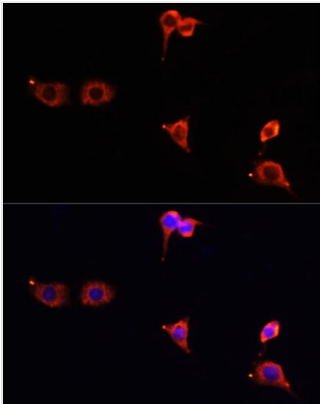
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using mTOR antibody at dilution of 1:150 .



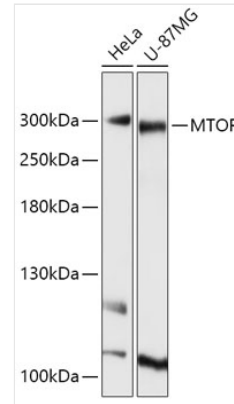
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using mTOR antibody at dilution of 1:150 .



#### IF (Immunofluorescence)

Immunofluorescence analysis of PC12 cells using mTOR antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using mTOR antibody at 1:1000 dilution.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-mTOR antibody</b> | 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. |
| <b>Product Categories/Family for anti-mTOR antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                       |

## 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 (serine/threonine kinase) |
| NCBI Official Symbol             | MTOR                                                      |
| NCBI Official Synonym Symbols    | FRAP; FRAP1; FRAP2; RAFT1; RAPT1                          |

|                                   |                                                                                                                                                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Protein Information</b>   | serine/threonine-protein kinase mTOR; rapamycin target protein 1; mammalian target of rapamycin; rapamycin and FKBP12 target 1; FKBP-rapamycin associated protein; rapamycin associated protein FRAP2; FKBP12-rapamycin complex-associated protein 1; FK506 bin |
| <b>UniProt Protein Name</b>       | Serine/threonine-protein kinase mTOR                                                                                                                                                                                                                            |
| <b>UniProt Gene Name</b>          | <b>MTOR</b>                                                                                                                                                                                                                                                     |
| <b>UniProt Synonym Gene Names</b> | FRAP; FRAP1; FRAP2; RAFT1; RAPT1; mTOR                                                                                                                                                                                                                          |
| <b>UniProt Entry Name</b>         | MTOR_HUMAN                                                                                                                                                                                                                                                      |

**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://www.aaabiotech.com/polyclonal/mtor-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/30548>