

# mTOR Rabbit Polyclonal Antibody



CAB11355

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

260kDa

### Calculated MW:

288kDa

### Applications:

WB IF

### Reactivity:

Human, Mouse, Rat

## Protein Background

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.

## Immunogen information

### Gene ID:

2475

### Uniprot

P42345

### Synonyms:

FRAP; FRAP1; FRAP2; RAFT1; RAPT1; SKS; mTOR; MTOR

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

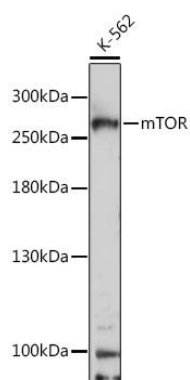
A synthetic peptide corresponding to a sequence within amino acids 2400-2500 of human mTOR (NP\_004949.1).

### Storage:

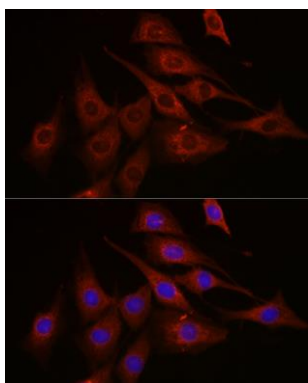
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

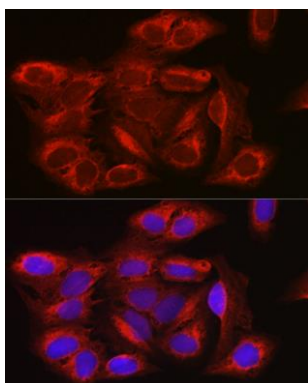
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Western blot analysis of extracts of K-562 cells, using mTOR antibody (CAB11355) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunofluorescence analysis of NIH-3T3 cells using mTOR Rabbit pAb (CAB11355) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using mTOR Rabbit pAb (CAB11355) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.