

# mTOR Rabbit pAb

Catalog No.: A2445 **25 Publications**

## Basic Information

### Catalog No.

A2445

### Observed MW

289kDa

### Calculated MW

288kDa

### Category

Primary antibody

### Applications

WB, IF, IP

### Cross-Reactivity

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IF</b>	1:50 - 1:200
<b>IP</b>	1:50 - 1:100

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## 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

<b>Gene ID</b>	<b>Swiss Prot</b>
2475	P42345

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human mTOR (NP\_004949.1).

### Synonyms

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

## Product Information

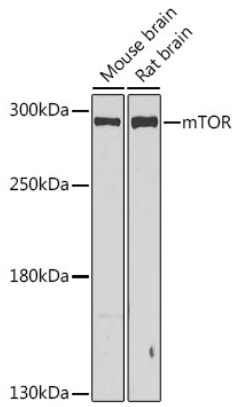
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using mTOR antibody (A2445) at 1:1000 dilution.

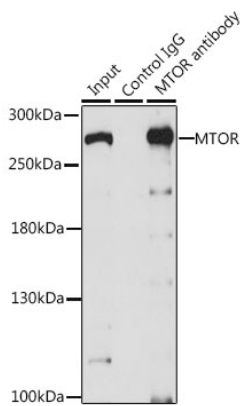
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

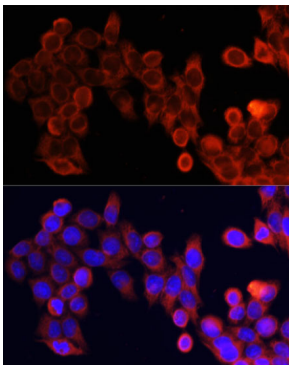
Detection: ECL Enhanced Kit (RM00021).

Exposure time: 60s.

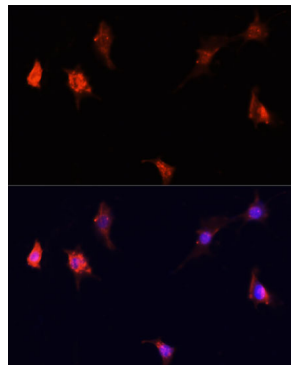


Immunoprecipitation analysis of 200ug extracts of HeLa cells, using 3 ug mTOR antibody (A2445).

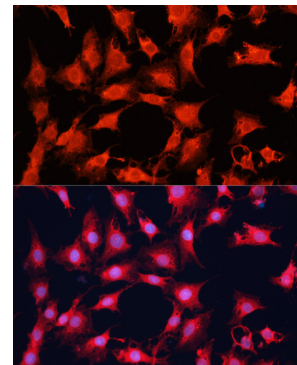
Western blot was performed from the immunoprecipitate using mTOR antibody (A2445) at a dilution of 1:1000.



Immunofluorescence analysis of HeLa cells using mTOR antibody (A2445) at dilution of 1:100. Blue: DAPI for nuclear staining.



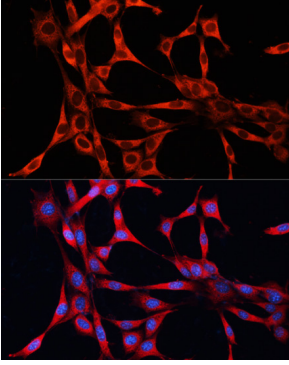
Immunofluorescence analysis of PC12 cells using mTOR antibody (A2445) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using mTOR antibody (A2445) at dilution of 1:100. Blue: DAPI for nuclear staining.

## Validation Data

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Immunofluorescence analysis of NIH/3T3 cells using MTOR antibody (A2445) at dilution of 1:100. Blue: DAPI for nuclear staining.