

## mTOR(Phospho Ser2481) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP11566
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human mTOR around the phosphorylation site of Ser2481. AA range:2447-2496
<b>Mol wt</b>	288892
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ICC, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Serine/threonine-protein kinase mTOR
<b>Synonyms</b>	Serine/threonine-protein kinase mTOR; 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; mTOR; Mechanistic tar

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

### Recommended Dilution

IHC-p: 1: 100 - 1: 300

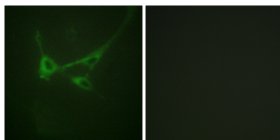
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

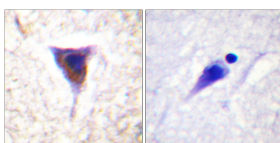
ELISA: 1: 20000

Not yet tested in other applications.

### Images



Immunofluorescence analysis of NIH/3T3 cells, using mTOR (Phospho-Ser2481) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using mTOR (Phospho-Ser2481) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of heLa-UV using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

### Storage

-20°C for 1 year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)