

## mTOR(Phospho Thr2446) Polyclonal Antibody

### Description

|                                |                                                                                                                                                                                                                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product type</b>            | Primary Antibody                                                                                                                                                                                                                                                                             |
| <b>Code</b>                    | BT-AP11567                                                                                                                                                                                                                                                                                   |
| <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 Thr2446. AA range:2412-2461                                                                                                                                                |
| <b>Mol wt</b>                  | 288892                                                                                                                                                                                                                                                                                       |
| <b>Species reactivity</b>      | Human, Mouse, Rat                                                                                                                                                                                                                                                                            |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                   |
| <b>Recommended application</b> | WB, 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;<br>Serine/threonine-protein kinase mTOR; FK506-binding protein 12-rapamycin complex-associated protein 1;<br>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.

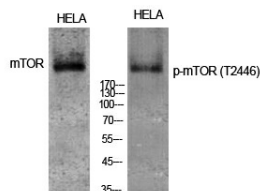
### Recommended Dilution

WB: 1: 500 - 1: 2000

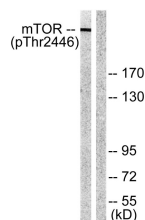
ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western Blot analysis of various cells using Phospho-mTOR (T2446) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from NIH/3T3 cells treated with Insulin 0.01U/ml 15', using mTOR (Phospho-Thr2446) Antibody. The lane on the right is blocked with the phospho peptide.

## Storage

-20°C for 1 year

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