

mTOR(Phospho Ser2481) Polyclonal Antibody

Description

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

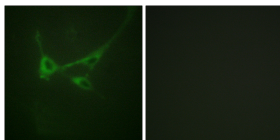
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

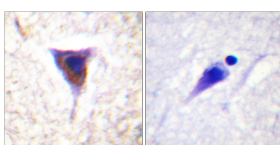
ELISA: 1: 20000

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

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