

A11345

Leader in Biomolecular Solutions for Life Science



mTOR Rabbit pAb

Catalog No.: A11345

7 Publications

Basic Information

Observed MW

289kDa

Calculated MW

289kDa

Category

Polyclonal Antibody

Applications

WB

Cross-Reactivity

Human,Mouse,Rat

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 kinase is a component of two distinct complexes, mTORC1, which controls protein synthesis, cell growth and proliferation, and mTORC2, which is a regulator of the actin cytoskeleton, and promotes cell survival and cell cycle progression. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. Inhibitors of mTOR are used in organ transplants as immunosuppressants, and are being evaluated for their therapeutic potential in SARS-CoV-2 infections. Mutations in this gene are associated with Smith-Kingsmore syndrome and somatic focal cortical dysplasia type II. The ANGPTL7 gene is located in an intron of this gene.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

2475

Swiss Prot

P42345

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

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

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

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