

Basic Information

Product Name	Anti-mTOR Antibody (Clone#OTI1D5)
Gene Name	MTOR
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Human recombinant protein fragment corresponding to amino acids 1766-2144 of human MTOR(NP_004949) produced in E.coli.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	289 kDa
Dilution Ratios	Western blot (WB):1:2000

Storage

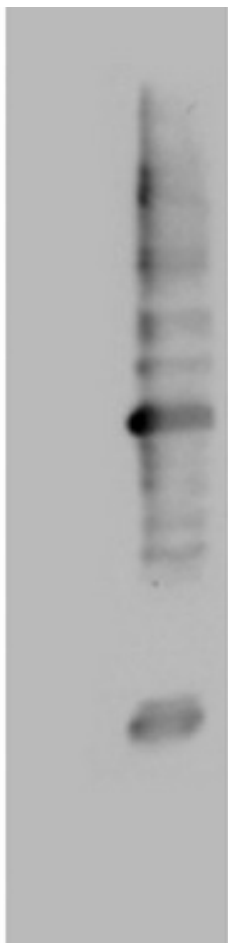
Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

The mammalian target of rapamycin (mTOR), also known as the mechanistic target of rapamycin and FK506-binding protein 12-rapamycin-associated protein 1 (FRAP1), is a kinase that in humans is encoded by the MTOR gene. 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.

Selected Validation Data

170 —
130 —
100 —
70 —
55 —
40 —
35 —
25 —
15 —
10 —



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1766-2144 of human MTOR produced in E.coli.