

Anti-mTOR/MTOR Antibody Picoband® Biotin Conjugated

Catalog Number: A00003-2-Biotin

About MTOR

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.

Overview

Product Name	Anti-mTOR/MTOR Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Monkey
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P42345

Technical Details

Immunogen	E.coli-derived human mTOR/MTOR recombinant protein (Position: N2093-N2537).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

6 Publications Citing This Product

1. PubMed ID: 10.3892/mmr.2017.6437, Expression of TGF-beta1/mTOR signaling pathway in pathological scar fibroblasts
2. PubMed ID: 10.3892/mmr.2021.11938, Hydrogen sulfide ameliorates doxorubicin-induced myocardial fibrosis in rats via the PI3K/AKT/mTOR pathway
3. PubMed ID: 10.1016/j.envpol.2021.116556, Mechanisms underlying reproductive toxicity induced by nickel nanoparticles identified by comprehensive gene expression analysis in GC-1 spg cells

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