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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-mTOR/MTOR Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A00003-2-Fluoro594

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® Fluoro594 Conjugated
Reactive Species	Human, Monkey
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
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	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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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

Visit bosterbio.com/anti-mtor-mtor-picoband-trade-antibody-a00003-2-boster.html to see all 6 publications.

Anti-mTOR/MTOR Antibody - Fluoro594

For Research Use Only. Not for use in diagnostic procedures.