

Anti-mTOR/Tor Antibody

Catalog Number: A00003

About MTOR

Nuclear receptor coactivator 4 is a protein that in humans is encoded by the NCOA4 gene. This gene encodes an androgen receptor coactivator. The encoded protein interacts with the androgen receptor in a ligand-dependent manner to enhance its transcriptional activity. Chromosomal translocations between this gene and the ret tyrosine kinase gene, also located on chromosome 10, have been associated with papillary thyroid carcinoma. Alternatively spliced transcript variants have been described. Pseudogenes are present on chromosomes 4, 5, 10, and 14.

Overview

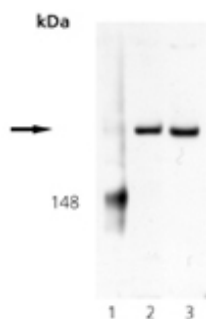
Product Name	Anti-mTOR/Tor Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-mTOR/Tor Antibody catalog # A00003. Tested in WB applications. This antibody reacts with Human, Mouse.
Conjugate	HRP
Application	WB
Clonality	Polyclonal WH-3
Formulation	Each vial contains 0.09% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P42345

Technical Details

Immunogen	Synthetic peptide corresponding to a portion of human mTOR.
Predicted Reactive Species	Bovine, Canine, Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	0.9 mg/ml by UV absorbance at 280 nm

Purification	Peptide affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western Blot, 1:250 - 1:2,000, human, mouse, rat</p> <p>Direct ELISA, 1:50,000 - 1:100,000, human, mouse, rat</p>

Anti-mTOR/Tor Antibody (A00003) Images



Western blot analysis of mTOR expression in MW marker (lane 1), HELA whole cell lysates (lane 2) and 293-EGF whole cell lysates (lane 3). mTOR at 289KD was detected using rabbit anti-mTOR Antigen Affinity purified polyclonal antibody (Catalog # A00003) at 2 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

2 Publications Citing This Product

1. PubMed ID: -, Lu Kong, Yongya Wu, Wangcheng Hu, Lin Liu, Yuying Xue, Geyu Liang, Mechanisms underlying reproductive toxicity induced by nickel nanoparticles identified by comprehensive gene expression analysis in GC-1 spg cells, Environmental Pollution, 2021, 116556, ISSN 0269-7
2. PubMed ID: 29375709, Jiang K, Chen H, Tang K, Guan W, Zhou H, Guo X, Chen Z, Ye Z, Xu H. Oncol Lett. 2018 Jan;15(1):167-174. doi: 10.3892/ol.2017.7298. Epub 2017 Oct 31. Puerarin inhibits bladder cancer cell proliferation through the mTOR/p70S6K signaling pathway

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