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Anti-Rictor Monoclonal Antibody

Catalog Number: M03195

About RICTOR

Anti-Procalcitonin antibody detects human Procalcitonin. Procalcitonin is a peptide hormone mainly produced by the C cells of the thyroid and certain endocrine cells of the lung. Under normal expression conditions, procalcitonin is immediately cleaved into three specific fragments, a N terminal residue, calcitonin and katacalcin. Levels of unprocessed procalcitonin rise significantly after bacterial infection, trauma or shock. This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.

Overview

Product Name	Anti-Rictor Monoclonal Antibody
Reactive Species	Human, Monkey, Mouse
Description	Boster Bio Anti-Rictor Monoclonal Antibody catalog # M03195. Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human, Monkey, Mouse.
Application	ELISA, Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal 7B3
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q6R327

Technical Details

Immunogen	Purified recombinant fragment of human Rictor expressed in E. Coli.
Predicted Reactive Species	Chimpanzee, Macaque
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml



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Purification	Affinity purification
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000 IHC 1:200-1:1000 IF 1:200-1:1000 FC 1:200-1:400 ELISA 1:10000



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Anti-Rictor Monoclonal Antibody (M03195) Images







Flow cytometric (FCM) analysis of HeLa cells using Rictor Monoclonal Antibody (green) and negative control (purple).

Figure 3. Immunofluorescent staining data of RICTOR using Anti-Rictor Monoclonal Antibody (M03195).

Immunofluorescence (IF) analysis of NIH/3T3 cells using Rictor Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Figure 2. Immunohistochemistry validation of RICTOR using Anti-Rictor Monoclonal Antibody (M03195).

Immunohistochemistry (IHC) analysis of paraffin-embedded thyroid gland tissues (left) and Human Breast Carcinoma (right) with DAB staining using Rictor Monoclonal Antibody. For more protocol information of IHC



Figure 1. Western blotting validation for Anti-Rictor Monoclonal Antibody M03195

Western Blot (WB) analysis using Rictor Monoclonal Antibody against HeLa (1)

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