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antibody and ELISA experts

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Anti-REEP4 Antibody

Catalog Number: A12670

Introduction

CD3epsilon is a 20kD chain, which together with CD3lambda, CD3delta, and CD3zeta, and a T cell receptor (alpha/beta or gamma/) form the CD3/T-cell receptor complex. It is a specific marker for T lymphocytes, NK T cells, and some thymocytes. Crosslinking of TCR initiates an intracellular signaling cascade resulting in cellular activation and proliferation. The OKT3 antibody has been reported to have potent immunosuppressive properties in vivo and has been proved effective in the treatment of renal, heart, and liver allograft rejection.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development or are reported in the literature.

Application Information

Each lot of this antibody has been quality control tested by flow cytometric analysis of human PBMCs. For flow cytometric staining, the recommended use of this antibody is ≤ 0.5µg per 1x106 cells in 100µl of staining volume followed by a secondary florescent conjugated anti-mouse antibody. However, it is strongly suggested that the antibody reactivity be empirically titrated for optimal performance in the application of interest.

About REEP4

Mammalian odorant receptors require accessory proteins such as RTP1 and RTP2 for functional cell surface expression. Receptor expression-enhancing protein (REEP) family members are transmembrane proteins which interact with odorant receptor proteins and may enhance the odorant receptor responses to odorants. Recently studies have shown other chemosensory receptors such as bitter taste receptors are also influenced by RTP and REEP family members. In studies in Xenopus RNAi to reduce REEP4 levels, embryos showed a slightly kinked body axis and were paralyzed. Further analysis revealed downregulated levels of several neural and muscle markers, suggesting the REEP4 may play a role in the maintenance of both the nervous system and musculature.

Overview

Product Name	Anti-REEP4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-REEP4 Antibody (Catalog # A12670). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	Biotin
Application	ELISA, WB
Clonality	Polyclonal SK7
Formulation	REEP4 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	REEP4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid

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	repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9H6H4

Technical Details

Immunogen	REEP4 antibody was raised against a 17 amino acid synthetic peptide near the center of human REEP4. The immunogen is located within amino acids 160 - 210 of REEP4.
Predicted Reactive Species	Bovine
Cross Reactivity	AP3M1 antibody may cross-react with AP3M2.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	REEP4 Antibody is affinity chromatography purified via peptide column.
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: REEP4 antibody can be used for detection of REEP4 by Western blot at 1 ug/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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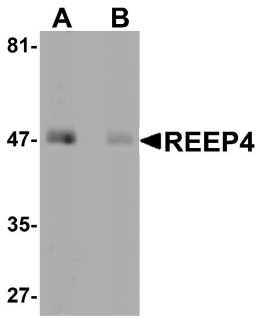
Anti-REEP4 Antibody (A12670) Images



Western blot analysis of REEP4 in human lung tissue lysate with REEP4 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.

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