

Anti-NEUCRIN DRAXIN Antibody

Catalog Number: A09941

Introduction

CD3epsilon is a 20kD chain, which together with CD3lambda, CD3delta, and CD3zeta, and a T cell receptor (alpha/beta or gamma/delta) 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 $\leq 0.5\mu\text{g}$ per 1×10^6 cells in $100\mu\text{l}$ of staining volume followed by a secondary fluorescent 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 DRAXIN

Neurin, also known as Draxin, is a repulsive guidance protein for the spinal cord and forebrain commissures. It is thought to act as an antagonist of canonical Wnt signaling by inhibiting the stabilization of cytosolic beta-catenin. Ectopically expressed neurin inhibited growth or caused misrouting of chick spinal cord commissural axons in vivo while Neurin-null mice showed defasciculation of spinal cord commissural axons and an absence of all forebrain commissures. Other experiments in mice have shown that olfactory bulb axonal outgrowth is inhibited by Neurin, suggesting that Neurin functions as an inhibitory guidance cue for olfactory bulb axons.

Overview

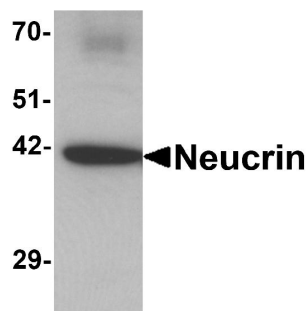
Product Name	Anti-NEUCRIN DRAXIN Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NEUCRIN DRAXIN Antibody (Catalog # A09941). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	Biotin
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal SK7
Formulation	NEUCRIN Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	NEUCRIN antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Host	Rabbit
Uniprot ID	Q8NBI3

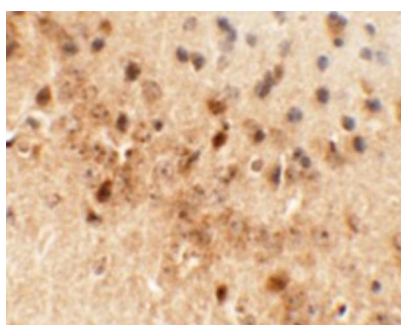
Technical Details

Immunogen	Neucrin antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human Neucrin. The immunogen is located within the last 50 amino acids of NEUCRIN.
Predicted Reactive Species	Bovine, Chicken
Cross Reactivity	At least three isoforms of Neucrin are known to exist; this antibody will detect the two shorter isoforms. Neucrin antibody is predicted to not cross-react with RILP.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	NEUCRIN Antibody is affinity chromatography purified via peptide column.
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>Neucrin antibody can be used for detection of Neucrin by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.</p> <p>Antibody validated: Western Blot in rat samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

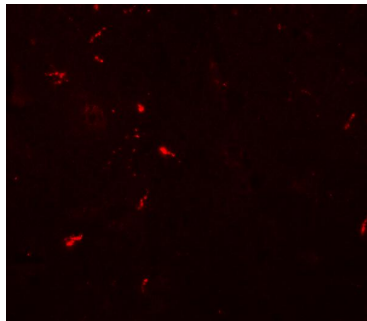
Anti-NEUCRIN DRAXIN Antibody (A09941) Images



Western blot analysis of Neucrin in rat cerebellum tissue lysate with Neucrin antibody at 1 ug/mL.



Immunohistochemistry of NEUCRIN in mouse brain tissue with NEUCRIN antibody at 5 ug/mL.



Immunofluorescence of NEUCRIN in mouse brain tissue with NEUCRIN antibody at 20 ug/mL.

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