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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Unc93b UNC93B1 Antibody

Catalog Number: A03864

About UNC93B1

The endoplasmic reticulum (ER) protein Unc93b, a human homolog of the C. elegans Unc93 gene, was initially identified by a forward genetic screen using N-ethyl-N-nitrosourea where a histidine-to-arginine substitution in Unc93b caused defects in Toll-like receptor (TLR) 3, 7 and 9 signaling. Unlike Unc93a, another homolog of the C. elegans Unc93 gene whose function is unknown, Unc93b specifically interacts with TLR3, 7 and 9; the histidine-to-arginine point mutation used to identify Unc93b abolishes this interaction. Mice carrying this point mutation are highly susceptible to infection with a number of viruses, indicating that Unc93b plays an important role in innate immunity.

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Overview

Product Name	Anti-Unc93b UNC93B1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Unc93b UNC93B1 Antibody (Catalog # A03864). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Unc93b Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Unc93b antibody can be stored at 4°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	Q9H1C4

Technical Details

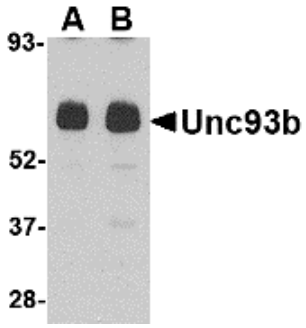
Immunogen	Unc93b antibody was raised against a 19 amino acid synthetic peptide from near the amino terminus of human Unc93b. The immunogen is located within amino acids 80 - 130 of Unc93b.
Predicted Reactive Species	Bovine
Cross Reactivity	Multiple isoforms of Unc93b are known to exist. This antibody will not cross-react with Unc93a.

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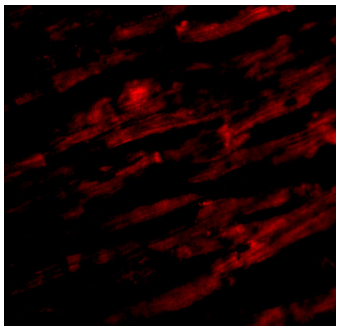
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Unc93b Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Unc93b antibody can be used for the detection of Unc93b by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence 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-Unc93b UNC93B1 Antibody (A03864) Images



Western blot analysis of Unc93b in human heart tissue lysate with Unc93b antibody at (A) 0.5 and (B) 1 ug/mL.



Immunofluorescence of Unc93b in Human Heart cells with Unc93b antibody at 20 ug/mL.

Anti-Unc93b UNC93B1 Antibody

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