

Unc93b Antibody

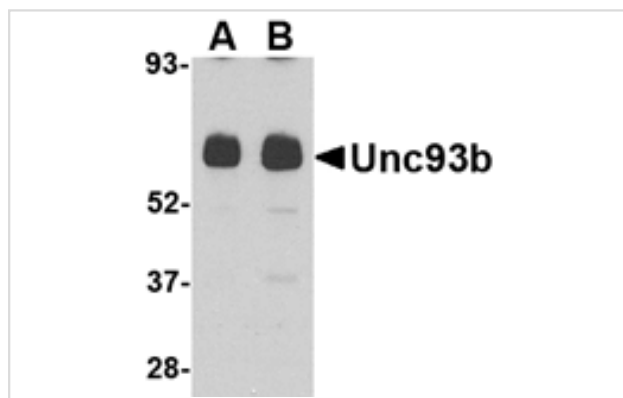
Catalog No: #24665

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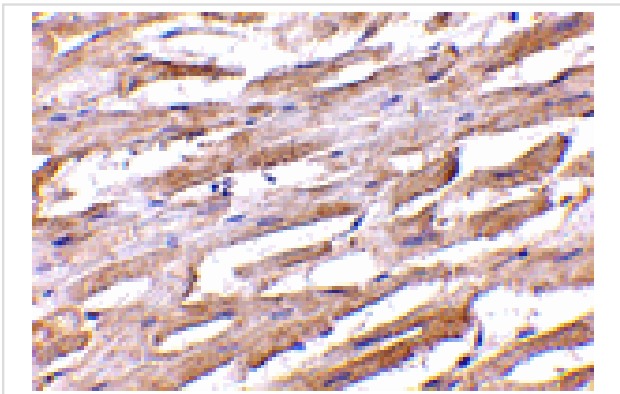
Description

Product Name	Unc93b Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	Multiple isoforms of Unc93a are known to exist. This antibody will not cross-react with Unc93a.
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide from near the amino terminus of human Unc93b.
Target Name	Unc93b
Other Names	Unc93b1, homolog of C. elegans Unc93
Accession No.	Swiss-Prot:Q9H1C4Gene ID:81622
Uniprot	Q9H1C4
GeneID	81622;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



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



Immunohistochemistry of Unc93b in human heart with Unc93b antibody at 2.5 ug/mL.

Background

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.

Note: This product is for in vitro research use only