

**UNC93B / UNC93B1 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS12411****Specification**

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**UNC93B / UNC93B1 Antibody (N-Terminus) - Product Information**

Application	WB, IF, IHC
Primary Accession	<a href="#">O9H1C4</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67kDa KDa

**UNC93B / UNC93B1 Antibody (N-Terminus) - Additional Information****Gene ID** 81622**Other Names**

Protein unc-93 homolog B1, Unc-93B1, hUNC93B1, UNC93B1, UNC93, UNC93B

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

UNC93B / UNC93B1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**UNC93B / UNC93B1 Antibody (N-Terminus) - Protein Information****Name** UNC93B1 ([HGNC:13481](#))**Synonyms** UNC93, UNC93B**Function**

Plays an important role in innate and adaptive immunity by regulating nucleotide-sensing Toll-like receptor (TLR) signaling. Required for the transport of a subset of TLRs (including TLR3, TLR7 and TLR9) from the endoplasmic reticulum to endolysosomes where they can engage pathogen nucleotides and activate signaling cascades. May play a role in autoreactive B-cells removal.

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein. Endosome Lysosome. Cytoplasmic vesicle, phagosome Note=Relocalizes from endoplasmic reticulum to endosome and lysosome upon cell-stimulation with CpG dinucleotides (By similarity) Colocalizes with LAMP5 in large endosomal intracellular vesicles {ECO:0000250, ECO:0000269|PubMed:18082565, ECO:0000269|PubMed:21642595}

**Tissue Location**

Expressed in plasmacytoid dendritic cells (at protein level). Highly expressed in antigen-presenting

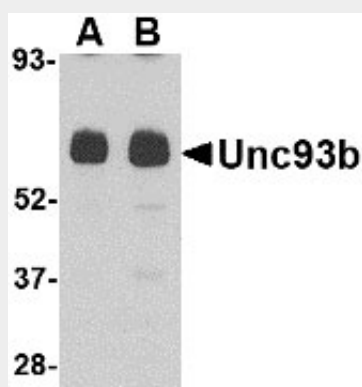
cells. Expressed in heart, and at lower level in kidney. Expressed at low level in other tissues.

### UNC93B / UNC93B1 Antibody (N-Terminus) - Protocols

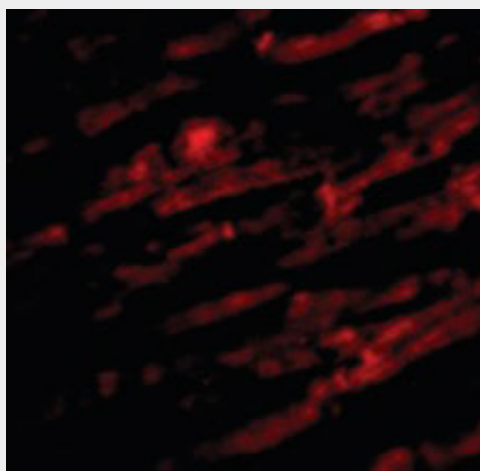
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

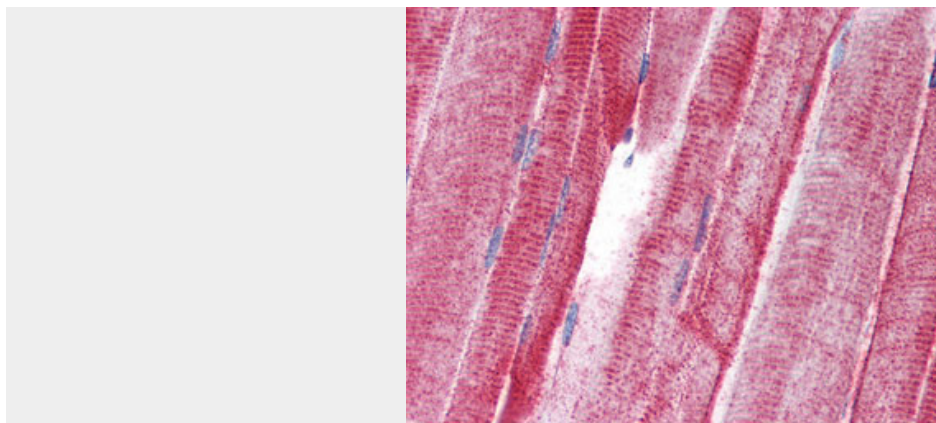
### UNC93B / UNC93B1 Antibody (N-Terminus) - Images



Western blot 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-UNC93B1 / UNC93B antibody IHC of human skeletal muscle.

### **UNC93B / UNC93B1 Antibody (N-Terminus) - Background**

Plays an important role in innate and adaptive immunity by regulating nucleotide-sensing Toll-like receptor (TLR) signaling. Required for the transport of a subset of TLRs (including TLR3, TLR7 and TLR9) from the endoplasmic reticulum to endolysosomes where they can engage pathogen nucleotides and activate signaling cascades. May play a role in autoreactive B- cells removal.

### **UNC93B / UNC93B1 Antibody (N-Terminus) - References**

- Kashuba V.I.,et al.Gene 283:209-217(2002).
- Taylor T.D.,et al.Nature 440:497-500(2006).
- Kollewe A.,et al.Thesis (2001), University of Hannover, Germany.
- Olsen J.V.,et al.Cell 127:635-648(2006).
- Casrouge A.,et al.Science 314:308-312(2006).