

**UNC45B Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13982a****Specification**

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**UNC45B Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q8IWX7</a>
Other Accession	<a href="#">Q8CGY6</a> , <a href="#">NP_001028748.1</a> , <a href="#">NP_775259.1</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	103733
Antigen Region	235-264

**UNC45B Antibody (N-term) - Additional Information****Gene ID** 146862**Other Names**

Protein unc-45 homolog B, Unc-45B, SMUNC45, UNC45B, CMYA4, UNC45

**Target/Specificity**

This UNC45B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-264 amino acids from the N-terminal region of human UNC45B.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

UNC45B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**UNC45B Antibody (N-term) - Protein Information****Name** UNC45B ([HGNC:14304](#))**Synonyms** CMYA4, UNC45

**Function** Acts as a co-chaperone for HSP90 and is required for proper folding of the myosin motor domain. Plays a role in sarcomere formation during muscle cell development. Is necessary for normal early lens development.

#### Cellular Location

Cytoplasm, myofibril, sarcomere, Z line {ECO:0000250|UniProtKB:Q6DGE9}. Cytoplasm, myofibril, sarcomere, A band. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q6DGE9}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8CGY6}. Note=Expressed at the Z line and in the perinuclear region of myofibrils. Translocates to the A band in response to stress conditions and fibril damage {ECO:0000250|UniProtKB:Q6DGE9}

#### Tissue Location

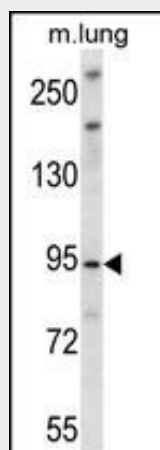
Expressed in eye lens tissues. Expressed in muscle (at protein level) (PubMed:33217308).

### UNC45B Antibody (N-term) - Protocols

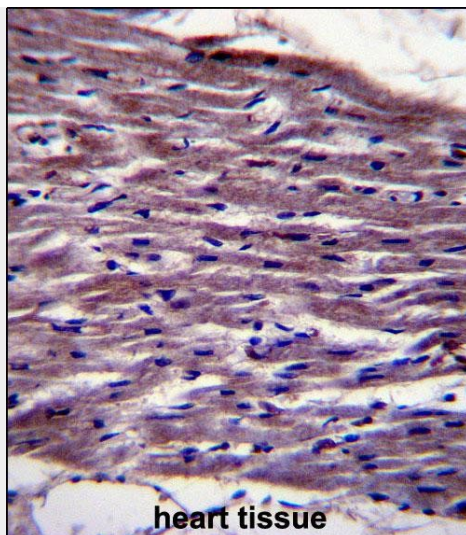
Provided below are standard protocols that you may find useful for product applications.

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

### UNC45B Antibody (N-term) - Images



UNC45B Antibody (N-term) (Cat. #AP13982a) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the UNC45B antibody detected the UNC45B protein (arrow).



UNC45B Antibody (N-term) (Cat. #AP13982a) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of UNC45B Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **UNC45B Antibody (N-term) - Background**

UNC45B plays a role in myoblast fusion and sarcomere organization (Price et al., 2002 [PubMed 12356907]). [supplied by OMIM].

#### **UNC45B Antibody (N-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Price, M.G., et al. J. Cell. Sci. 115 (PT 21), 4013-4023 (2002) :