

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

Specification

UNC45B Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q8IWX7
Other Accession	Q8CGY6 , NP_001028748.1 , NP_775259.1
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

E~~Use at an assay dependent concentration.

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}

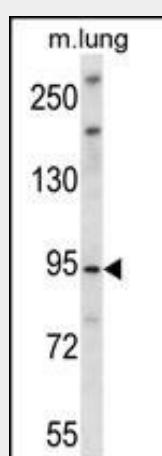
Tissue Location

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

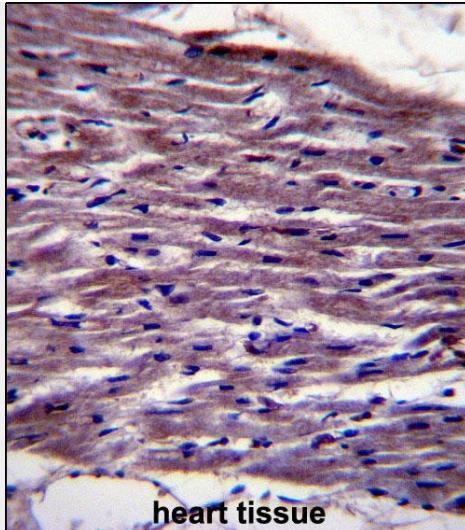
UNC45B Antibody (N-term) - Protocols

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) :