

UNC45B Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13982a**Specification**

UNC45B Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8IWX7](#)**UNC45B Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 146862**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13982a was selected from the N-term region of UNC45B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

UNC45B Antibody (N-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

UNC45B Antibody (N-term) Blocking peptide - Images**UNC45B Antibody (N-term) Blocking peptide - Background**

UNC45B plays a role in myoblast fusion and sarcomereorganization (Price et al., 2002 [PubMed 12356907]).[supplied byOMIM].

UNC45B Antibody (N-term) Blocking peptide - 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) :