

# **UNC45B Antibody (internal region)**

Peptide-affinity purified goat antibody Catalog # AF2594a

## **Specification**

## **UNC45B Antibody (internal region) - Product Information**

Application WB
Primary Accession O8IWX7

Other Accession NP 775259.1, NP 001028748.1, 146862,

217012 (mouse), 303373 (rat)

Reactivity Human

Predicted Mouse, Rat, Dog

Host Goat
Clonality Polyclonal
Concentration 0.5 mg/ml
Isotype IgG
Calculated MW 103733

#### UNC45B Antibody (internal region) - Additional Information

**Gene ID 146862** 

#### **Other Names**

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

#### **Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Precautions**

UNC45B Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

## **UNC45B Antibody (internal region) - 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**

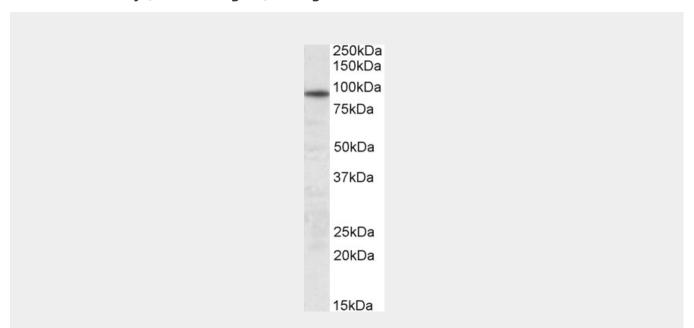
Expressed in eye lens tissues. Expressed in muscle (at protein level) (PubMed:33217308).

## **UNC45B Antibody (internal region) - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## UNC45B Antibody (internal region) - Images



AF2594a (0.3  $\mu$ g/ml) staining of Human Skeletal Muscle lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## UNC45B Antibody (internal region) - Background

This antibody is expected to recognise both reported isoforms (NP 775259.1and NP 001028748.1).

# UNC45B Antibody (internal region) - References

The UNC-45 chaperone mediates sarcomere assembly through myosin degradation in Caenorhabditis elegans. Landsverk ML, Li S, Hutagalung AH, Najafov A, Hoppe T, Barral JM, Epstein HF. J Cell Biol. 2007 Apr 23;177(2):205-10. Epub 2007 Apr 16. PMID: 17438072