

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

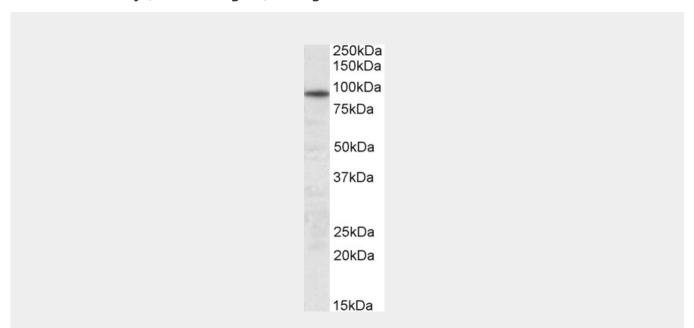
Expressed in eye lens tissues. Expressed in muscle (at protein level) (PubMed:33217308).

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 μ g/ml) staining of Human Skeletal Muscle lysate (35 μ 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