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UNC45A Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12832a

Specification

UNC45A Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q9H3U1

UNC45A Antibody (N-term) Blocking peptide - Additional Information

Gene ID 55898

Other Names
Protein unc-45 homolog A, Unc-45A, GCUNC-45, Smooth muscle cell-associated protein 1, SMAP-1, UNC45A, SMAP1

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.

UNC45A Antibody (N-term) Blocking peptide - Protein Information

Name UNC45A

Synonyms SMAP1

Function
Acts as a co-chaperone for HSP90. Prevents the stimulation of HSP90AB1 ATPase activity by AHSA1. Positive factor in promoting PGR function in the cell. May be necessary for proper folding of myosin (Potential). Necessary for normal cell proliferation. Necessary for normal myotube formation and myosin accumulation during muscle cell development. May play a role in erythropoiesis in stroma cells in the spleen (By similarity).

Cellular Location
Cytoplasm. Cytoplasm, perinuclear region. Nucleus. Note=Predominant in the perinuclear region. Little protein in the nucleus

Tissue Location
Detected in peripheral blood leukocytes, bone marrow, adrenal gland, trachea, spinal cord, thyroid, lymph node and stomach.

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UNC45A Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

UNC45A Antibody (N-term) Blocking peptide - Images

UNC45A Antibody (N-term) Blocking peptide - Background

UNC45A plays a role in cell proliferation and myoblastfusion, binds progesterone receptor (PGR; MIM 607311) and HSP90(HSPCA; MIM 140571), and acts as a regulator of the progesteronereceptor chaperoning pathway (Price et al., 2002 [PubMed 12356907];Chadli et al., 2006 [PubMed 16478993]).

UNC45A Antibody (N-term) Blocking peptide - References

Chadli, A., et al. J. Biol. Chem. 283(15):9509-9512(2008)Bazzaro, M., et al. Am. J. Pathol. 171(5):1640-1649(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)