

**UNC45A Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12832a****Specification**

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**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.

## **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)