

UNC45A Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12832A**Specification**

UNC45A Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9H3U1
Other Accession	NP_061141.2 , NP_001034764.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	103077
Antigen Region	146-174

UNC45A Antibody (N-term) - 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

Target/Specificity

This UNC45A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 146-174 amino acids from the N-terminal region of human UNC45A.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

UNC45A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UNC45A Antibody (N-term) - 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

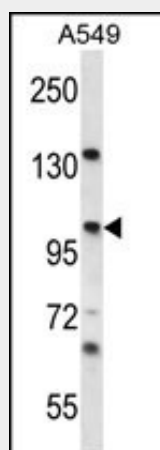
Tissue Location

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

UNC45A Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UNC45A Antibody (N-term) - Images

UNC45A Antibody (N-term) (Cat. #AP12832a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the UNC45A antibody detected the UNC45A protein (arrow).

UNC45A Antibody (N-term) - Background

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

Chadli et al., 2006 [PubMed 16478993]).

UNC45A Antibody (N-term) - 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)
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