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ELN Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8594c

Specification

ELN Antibody (Center) Blocking Peptide - Product Information

Primary Accession P15502

ELN Antibody (Center) Blocking Peptide - Additional Information

Gene ID 2006

Other Names
Elastin, Tropoelastin, ELN

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8594c was selected from the Center region of human ELN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ELN Antibody (Center) Blocking Peptide - Protein Information

Name ELN

Function
Major structural protein of tissues such as aorta and nuchal ligament, which must expand rapidly and recover completely. Molecular determinant of the late arterial morphogenesis, stabilizing arterial structure by regulating proliferation and organization of vascular smooth muscle (By similarity).

Cellular Location
Secreted, extracellular space, extracellular matrix. Note=Extracellular matrix of elastic fibers.

Tissue Location
Expressed within the outer myometrial smooth muscle and throughout the arteriolar tree of uterus (at protein level). Also expressed in the large arteries, lung and skin

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ELN Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ELN Antibody (Center) Blocking Peptide - Images

ELN Antibody (Center) Blocking Peptide - Background

ELN is one of the two components of elastic fibers. This protein is rich in hydrophobic amino acids such as glycine and proline, which form mobile hydrophobic regions bounded by crosslinks between lysine residues.

ELN Antibody (Center) Blocking Peptide - References

Bertram,C.et.al., Mech. Ageing Dev. 130 (10), 657-669 (2009)Wakui,H., et.al., Ren. Physiol. Biochem. 15 (1), 1-9 (1992)