

Mouse anti-Human Elastin (ELN) Monoclonal Antibody | anti-ELN antibody

Elastin (ELN) (Marker of Arterial Stiffness and Atherosclerosis)

CATALOG # AAA215403	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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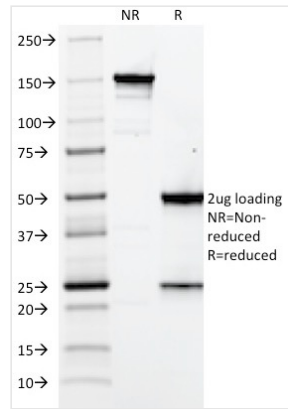
PRODUCT SYNONYMS

Elastin (ELN); Monoclonal Antibody; Elastin (ELN) (Marker of Arterial Stiffness and Atherosclerosis); Elastin; ELN; SVAS; Tropoelastin; WBS; WS; anti-ELN antibody

PRODUCT SPECIFICATIONS

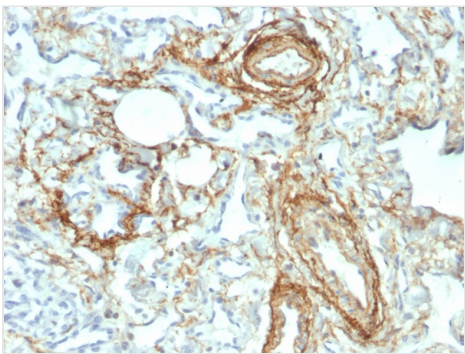
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	ELN/2069
Specificity	Elastin is a polymeric protein and is the main component of the extracellular matrix of arteries. It is synthesized and secreted as a soluble, single-chain protein (tropoelastin), which undergoes a number of post-translational modifications prior to its organization into an elastic fiber in the extracellular space. Elastin performs a regulatory function during arterial development by controlling proliferation of smooth muscle and stabilizing arterial structure. It imparts elasticity to the connective tissue. During aging, the elasticity of connective tissue is reduced because of the cross-linking of collagenous fibers with elastin. The abnormal accumulation of elastic tissue in blood vessels is found in atherosclerosis and hypertension.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	786
Applicable Applications for anti-ELN antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant full-length Human Elastin protein
Cellular Localization	Secreted and Extracellular Space
Hu-chromosome Location	7q11.23
Positive Control	A549 or U-2197 cells. Liver, Kidney, Lung or Intestine.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



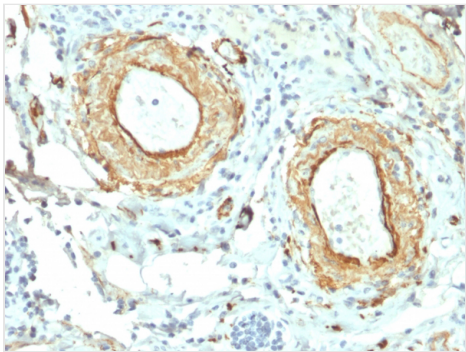
SDS_PAGE

SDS-PAGE Analysis Purified Elastin Mouse Monoclonal Antibody (ELN/2069). Confirmation of Integrity and Purity of Antibody.



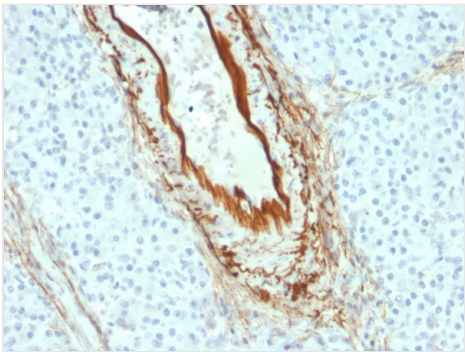
IHC (Immunohistochemisry)

Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Elastin Mouse Monoclonal Antibody (ELN/2069).



IHC (Immunohiostchemistry)

Formalin-fixed, paraffin-embedded human Small Intestine stained with Elastin Mouse Monoclonal Antibody (ELN/2069).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Pancreas stained with Elastin Mouse Monoclonal Antibody (ELN/2069).

ADDITIONAL INFORMATION

References	Fazio, M.J., et al. 1991. Human elastin gene: new evidence for localization to the long arm of chromosome 7. Am. J. Hum. Genet. 48: 696-703.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	525313599
NCBI GeneID	2006
NCBI Accession #	NP_001265868.1
NCBI GenBank Nucleotide #	NP_001265868.1
UniProt Accession #	P15502
Molecular Weight	70kDa
NCBI Official Full Name	elastin isoform m
NCBI Official Synonym Full Names	elastin
NCBI Official Symbol	ELN
NCBI Official Synonym Symbols	WS; WBS; SVAS; ADCL1
NCBI Protein Information	elastin
UniProt Protein Name	Elastin

UniProt Gene Name	ELN
UniProt Entry Name	ELN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/elastin-eln-antibody-clone-eln-2069-immunohistochemistry-elisa/215403>