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

Rabbit Monoclonal Antibody [Clone ELN/3131R]

Catalog No	Format	Size
2006-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2006-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2006-RBM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

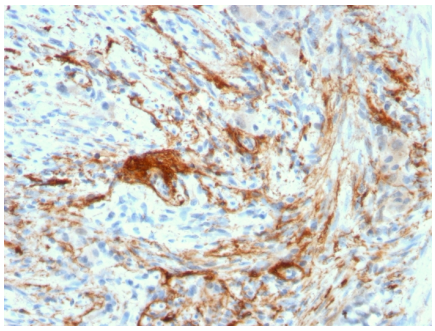
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

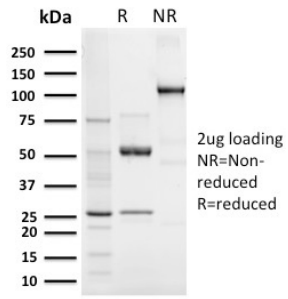
Clone	ELN/3131R
Immunogen	Recombinant full-length human Elastin protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	68.4kDa
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	A549 or U-2197 cells. Liver, Kidney, Lung or Intestine.

**Optimal dilution for a specific application should be determined.*

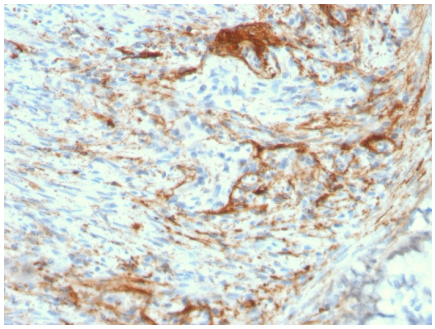
Product Images for Recombinant Elastin (ELN) (Marker of Arterial Stiffness and Atherosclerosis) Antibody



Formalin-fixed, paraffin-embedded human Small Intestine stained with Rabbit Recombinant Monoclonal Antibody (ELN/3131R) to Elastin.



SDS-PAGE Analysis of Purified Elastin Recombinant Rabbit Monoclonal Antibody (ELN/3131R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Small Intestine stained with Rabbit Recombinant Monoclonal Antibody (ELN/3131R) to Elastin.

Specificity & Comments

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 elasticityto 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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.