

Datasheet for ABIN6939302

Recombinant anti-Elastin antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Elastin (ELN)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Elastin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human Elastin protein
Clone:	ELN-3131R
Isotype:	IgG
Purification:	Purified by Protein A/G

Target Details

Target:	Elastin (ELN)
Alternative Name:	ELN (ELN Products)
Background:	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

Target Details

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.

Molecular Weight: 70kDa

Gene ID: 2006

UniProt: [P15502](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: Positive Control: A549 or U-2197 cells. Liver, Kidney, Lung or Intestine.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

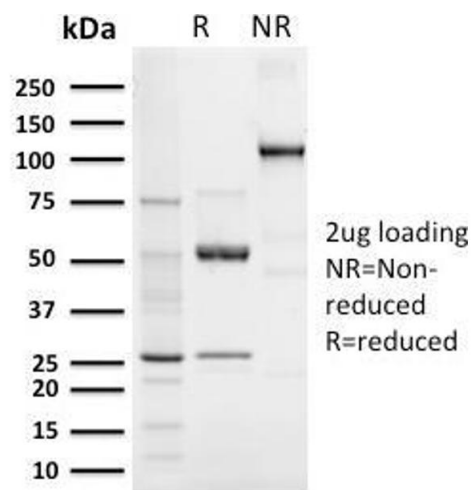
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

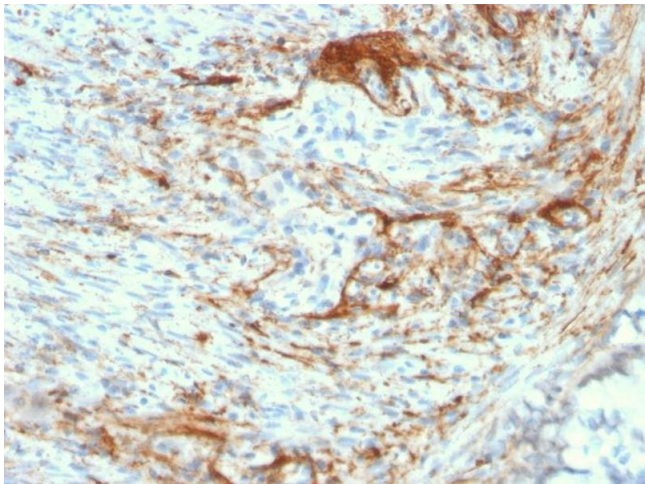
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



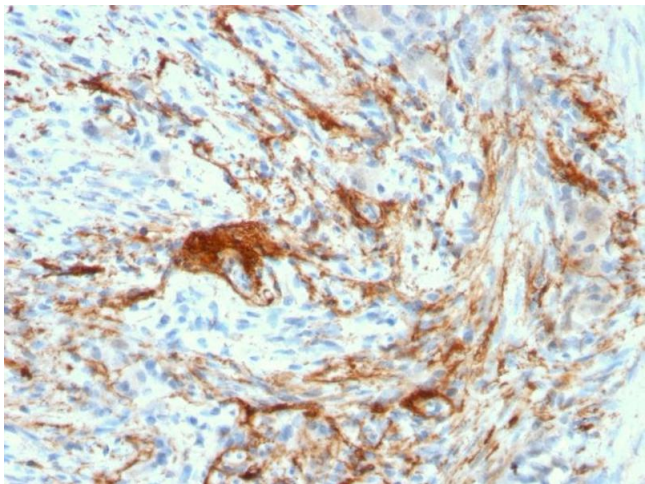
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Elastin Recombinant Rabbit Monoclonal Antibody (ELN/3131R). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Small Intestine stained with Rabbit Recombinant Monoclonal Antibody (ELN/3131R) to Elastin.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Small Intestine stained with Rabbit Recombinant Monoclonal Antibody (ELN/3131R) to Elastin.