

Anti-Elastin Antibody (Monoclonal, BA-4)
Catalog # ABO10429**Specification**

Anti-Elastin Antibody (Monoclonal, BA-4) - Product Information

Application	IHC-P
Primary Accession	P15502
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized

Description

Mouse IgG monoclonal antibody for Elastin, elastin (ELN) detection. Tested with IHC-P in Human; bovine. No cross reactivity with other proteins.

Reconstitution

Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Anti-Elastin Antibody (Monoclonal, BA-4) - Additional Information

Gene ID 2006

Other Names

Elastin, Tropoelastin, ELN

Calculated MW

68469 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.25-0.5 µg/ml, Bovine, human, By Heat

Subcellular Localization

Secreted, extracellular space, extracellular matrix . Extracellular matrix of elastic fibers. .

Tissue Specificity

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. .

Protein Name

Elastin

Contents

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN₃ as preservative.

Immunogen

Bovine alpha-elastin.

Purification

Ascites

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the elastin family.

Anti-Elastin Antibody (Monoclonal, BA-4) - 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

Anti-Elastin Antibody (Monoclonal, BA-4) - 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](#)

Anti-Elastin Antibody (Monoclonal, BA-4) - Images**Anti-Elastin Antibody (Monoclonal, BA-4) - Background**

Elastin is a major structural protein of tissues such as aorta, which must expand rapidly and recover completely. Elastin chains are cross-linked together into an extensible 3D network. It is a molecular determinant of late arterial morphogenesis, stabilizing arterial structure by regulating proliferation and organization of vascular smooth muscle. Defects in elastin are a cause of autosomal dominant cutis laxa.