
Elastin Rabbit pAb

Catalog Number: bs-11057R

Target Protein: Elastin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Pig, Cow, Dog)

Predicted MW: 68 kDa

Entrez Gene: 2006

Swiss Prot: P15502

Source: KLH conjugated synthetic peptide derived from human Elastin: 101-200/786.

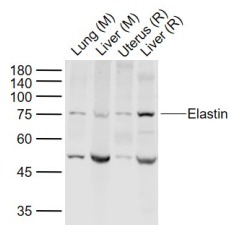
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

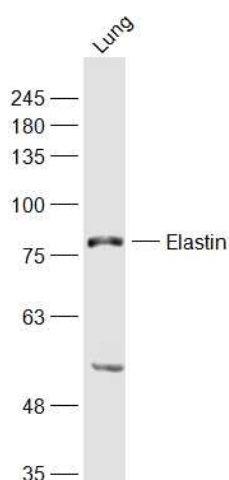
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a protein that is one of the two components of elastic fibers. Elastic fibers comprise part of the extracellular matrix and confer elasticity to organs and tissues including the heart, skin, lungs, ligaments, and blood vessels. The encoded protein is rich in hydrophobic amino acids such as glycine and proline, which form mobile hydrophobic regions bounded by crosslinks between lysine residues. Degradation products of the encoded protein, known as elastin-derived peptides or elastokines, bind the elastin receptor complex and other receptors and stimulate migration and proliferation of monocytes and skin fibroblasts. Elastokines can also contribute to cancer progression. Deletions and mutations in this gene are associated with supravalvular aortic stenosis (SVAS) and autosomal dominant cutis laxa. [provided by RefSeq, Aug 2017].

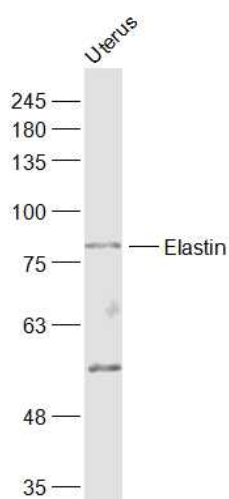
VALIDATION IMAGES



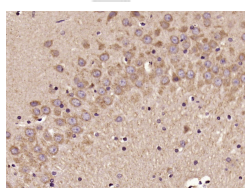
Sample: Lane 1: Lung (Mouse) Lysate at 40 ug Lane 2: Liver (Mouse) Lysate at 40 ug Lane 3: Uterus (Rat) Lysate at 40 ug Lane 4: Liver (Rat) Lysate at 40 ug Primary: Anti-Elastin (bs-11057R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50-80 kD Observed band size: 75 kD



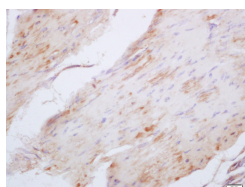
Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-Elastin (bs-11057R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 80 kD



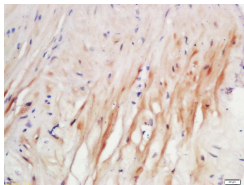
Sample: Uterus (Mouse) Lysate at 40 ug Primary: Anti-Elastin (bs-11057R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 80 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Elastin) Polyclonal Antibody, Unconjugated (bs-11057R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: mouse stomach wall; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Elastin Polyclonal Antibody, Unconjugated(bs-11057R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human cervical cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Elastin Polyclonal Antibody, Unconjugated(bs-11057R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=16.6] Pham Hien Thi Thu. et al. Neutrophil metalloproteinase driven spleen damage hampers infection control of trypanosomiasis. NAT COMMUN. 2023 Sep;14(1):1-18 IHC ; Mouse . 37669943

[IF=6.51] Woan-Ruoh Lee. et al. Laser-assisted nanoparticle delivery to promote skin absorption and penetration depth of retinoic acid with the aim for treating photoaging. INT J PHARMACEUT. 2022 Nov;627:122162 WB ; Human . 36122617

[IF=4.967] Helei Li. et al. Matrix Regeneration Ability In Situ Induced by a Silk Fibroin Small-Caliber Artificial Blood Vessel In Vivo. POLYMERS-BASEL. 2022 Jan;14(18):3754 IHC ; Rabbit . 36145899

[IF=1.399] Zhang S et al. Alda-1, an Aldehyde Dehydrogenase 2 Agonist, Improves Cutaneous Wound Healing by Activating Epidermal Keratinocytes via Akt/GSK-3 β /Catenin Pathway. Aesthetic Plast Surg. 2020 Jan 17. IHC ; Mouse . 31953581