

Anti-Elastin Polyclonal Antibody

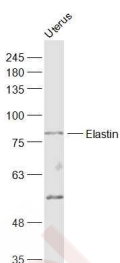
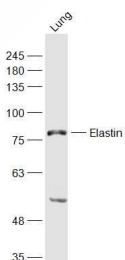
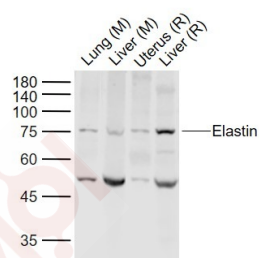
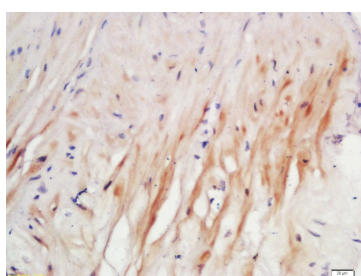
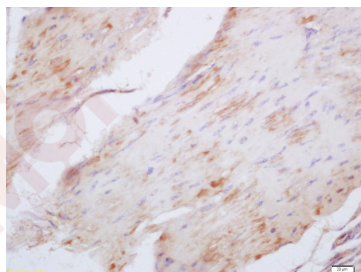
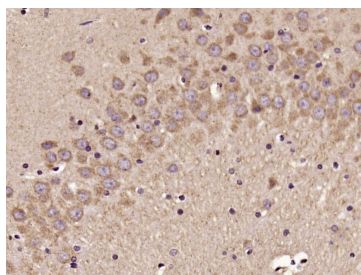
Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow)
Molecular Weight:	Theoretical: 68 kDa. Actual: 75-80 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Elastin) Polyclonal Antibody, Unconjugated (TMAB-00604) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
2. Tissue/cell: mouse stomach wall; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;
Incubation: Anti-Elastin Polyclonal Antibody, Unconjugated (TMAB-00604) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Tissue/cell: human cervical cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;
Incubation: Anti-Elastin Polyclonal Antibody, Unconjugated (TMAB-00604) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
4. Sample:
Lane 1: Lung (Mouse) Lysate at 40 µg
Lane 2: Liver (Mouse) Lysate at 40 µg
Lane 3: Uterus (Rat) Lysate at 40 µg
Lane 4: Liver (Rat) Lysate at 40 µg
Primary: Anti-Elastin (TMAB-00604) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50-80 kDa
Observed band size: 75 kDa
5. Sample:
Lung (Mouse) Lysate at 40 µg
Primary: Anti-Elastin (TMAB-00604) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 80 kDa
Observed band size: 80 kDa
6. Sample:
Uterus (Mouse) Lysate at 40 µg
Primary: Anti-Elastin (TMAB-00604) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 80 kDa
Observed band size: 80 kDa

Verified Activity:



Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Elastin

Antigen Species: Human

Gene ID: 2006

Uniprot ID: P15502

Synonyms: Elastin;Tropoelastin;Eln

Research 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].

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