

ELN Rabbit mAb**Catalog No.: A22733**

Recombinant

2 Publications

Basic Information**Observed MW****Calculated MW**

68 kDa

Category

Monoclonal Antibodies

Applications

IF-P, IHC-P, mIHC, ELISA

Cross Reactivity

Human

Clone No.

ARC58665

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.

Recommended Dilutions**IF-P** 1:100 – 1:400**IHC-P** 1:500 – 1:2000**mIHC** 1:400 – 1:1600

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information**Gene ID**

2006

Swiss-Prot

P15502

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

WS; WBS; SVAS; ADCL1; ELN

Contact | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn**Product Information****Source**

Rabbit

Isotype

IgG

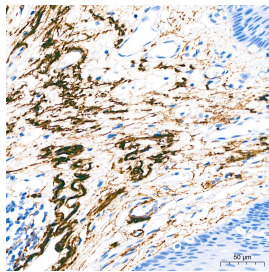
Purity

Affinity purification

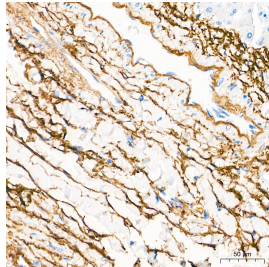
Storage

Store at -20°C

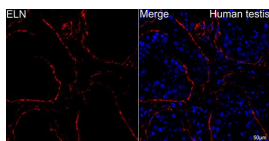
Validation Data



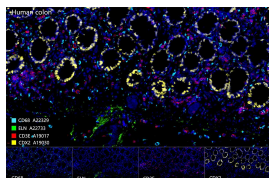
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using ELN Rabbit mAb (A22733) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



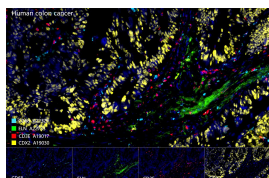
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using ELN Rabbit mAb (A22733) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Confocal imaging of human testis using ELN Rabbit mAb (A22733, at dilution of 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 40x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



The multiplex IHC analysis on paraffin-embedded Human colon tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD68 Rabbit mAb (A22329, 1:20000) with TSA-TYR-480 (Cyan), and ELN Rabbit mAb (A22733, 1:800) with TSA-TYR-520 (Green), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-570 (Red), and [KD Validated] CDX2 Rabbit mAb (A19030, 1:8000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human colon cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD68 Rabbit mAb (A22329, 1:20000) with TSA-TYR-480 (Cyan), and ELN Rabbit mAb (A22733, 1:800) with TSA-TYR-520 (Green), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-570 (Red), and [KD Validated] CDX2 Rabbit mAb (A19030, 1:8000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.