

For Research Use Only

Elastin Polyclonal antibody

Catalog Number: 15257-1-AP **17 Publications**



Basic Information

Catalog Number: 15257-1-AP	GenBank Accession Number: BC065566	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 330 µg/ml by Nanodrop;	GeneID (NCBI): 2006	Recommended Dilutions: WB 1:1000-1:5000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000
Source: Rabbit	Full Name: elastin	
Isotype: IgG	Calculated MW: 68 kDa	
Immunogen Catalog Number: AG7179	Observed MW: 60-70 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: human artery tissue,
Species Specificity: human	IP: human placenta tissue,
Cited Species: human	IHC: human lung tissue, human skin cancer tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Elastic fibers are an abundant and integral part of many extracellular matrices, in which they provide the elastic properties to tissues such as arterial, lung, and skin. Elastic fibers are consisting of an elastin core surrounded by a mantle of fibrillin-rich microfibrils (PMID: 12082143). Elastin is an extremely durable, insoluble biopolymer formed through the lysine-mediated crosslinking of its soluble precursor tropoelastin, which is an approximately 60-70 kDa protein (PMID: 15837523). Deletions and mutations in the elastin gene (ELN) are associated with supravalvular aortic stenosis (SVAS) and autosomal dominant cutis laxa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuqi Li	36132982	J Immunol Res	IHC
Avinash Soundararajan	34831087	Cells	WB
Jing Ge	29019707	Am J Respir Cell Mol Biol	WB

Storage

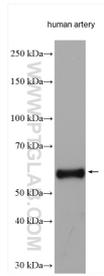
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

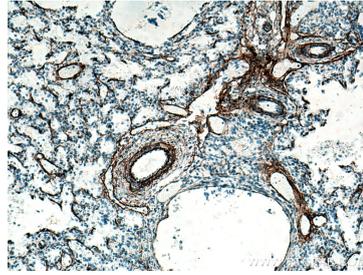
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

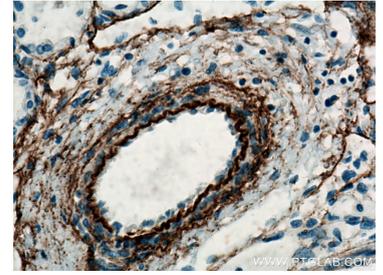
Selected Validation Data



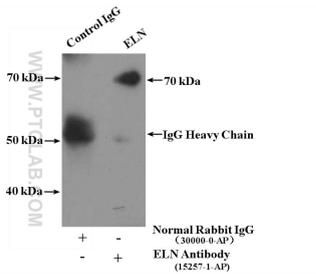
Human artery tissue was subjected to SDS PAGE followed by western blot with 15257-1-AP (Elastin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 15257-1-AP (Elastin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 15257-1-AP (Elastin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Elastin (IP:15257-1-AP, 4ug; Detection:15257-1-AP 1:300) with human placenta tissue lysate 4000 ug.