

## Anti-Elastin/ELN Antibody

Catalog Number: A01300-1

### About ELN

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.

### Overview

Product Name	Anti-Elastin/ELN Antibody
Reactive Species	Human
Description	Boster Bio Anti-Elastin/ELN Antibody catalog # A01300-1. Tested in WB, IHC, IP, ELISA applications. This antibody reacts with Human.
Application	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P15502

### Technical Details

Immunogen	E.coli-derived human Elastin/ELN recombinant protein (Position: V309-K656).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 ELISA, 1:100-1000

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