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Elastin, human

nordicmubio.com/product/elastin-human-4

Catalogue number: **EL25013-0.1**

Product Type	Primary Antibodies
Units	0.1 ml
Host	Guinea Pig
Application	ELISA Immunofluorescence Immunohistochemistry (paraffin) Radioimmunoassay

Background

Elastin is the major protein of elastic fibres that form a randomly orientated network in many tissues. Due to its high content of hydrophobic amino acids it is relatively resistant to chemicals and proteinase. Its principal function is to provide elasticity to tissues, however it has also chemotactic and cell adhesion properties. Human Elastin 100%, human Collagen Type I, II, III, IV, V <0,1%; human Fibronectin <0,1%.

Source

Immunogen: Purified elastin from human skin

Product

Affinity purified antibody lyophilized from phosphate buffered solution; no BSA and preservative added!

Purification Method: Affinity purified antibody lyophilized from phosphate buffered solution; no BSA and preservative added!

Concentration: app. 1 mg/ml

Secondary Reagents: Anti-Guinea pig IgG-conjugates

Specificity

Species Reactivity: Human, cross-reactivity with rat Elastin < 0.1%

Applications

IFA, IHC(P), ELISA, RIA

Incubation Time: IHC(P) 60 min at RT or 2-8°C over night

Working Concentration: (purified, lyophilized) IFA ? 1:80, IHC(P) ? 1:500 - 1:1000, ELISA ? 1:200 (OD ? 500)

Pre-Treatment: After de-waxing the tissue slices they are treated with 0.2% hyaluronidase (app. 300 U/mg e.g. Art. No. HYA02-50) in TBS 15 min at 37°C. There after non-specific binding is blocked by blocking serum or 3% BSA in TBS. For peroxidase systems blocking with 1% peroxide solution in TBS for 30 min at RT is recommended.

Positive Control: Human skin or aorta

Storage

-20°C

Caution

*These antibodies are intended for in vitro research use only. They must not be used for clinical diagnostics and not for in vivo experiments in humans or animals.

References

1. Demarchez M., Hartmann D.J., Herbage D., Ville G., and Prunieras M. (1987) Wound-healing of human skin transplanted onto the nude mouse. 2. an immunohistochemical and ultrastructural study of the epidermal basement-membrane zone reconstruction and connec 2. Demarchez M., Hartmann D.J., and Prunieras M. (1987) An immunohistochemical study of the revascularization process in human skin transplanted onto the nude mouse. *Transplantation* 43; 896-903. 3. Lethias C., Hartmann D.J., Masméjean M., Ravazzola M., Sabbagh I., Ville G., Herbage D., Eloy R. (1987) Ultrastructural immunolocalization of elastic fibers in rat blood vessels using the protein A-gold technique. *J. Histochem. Cytochem.* 35, 15-21.

Protein Reference(s)

Database Name: UniProt

Accession number: P15502 (ELN_HUMAN)

Species Accession: Human