



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Collagen Type I, salmon

nordicmubio.com/product/collagen-type-i-salmon-2

Catalogue number: **CO20171-S-0.1**

| | |
|--------------|--|
| Product Type | Primary Antibodies |
| Units | 0.1 ml |
| Host | Rabbit |
| Application | ELISA Immunofluorescence Immunohistochemistry (paraffin) Radioimmunoassay |

Background

Type I Collagen usually exists as a heterotrimer formed by alpha 1(I) and alpha 2(I) chains and is found in bone, cornea, skin and tendon. In foetal tissues also homotrimers of alpha-1(I) are found, but they are not constituents of normal adult tissues. Collagens consist of a family of highly specialized glycoproteins of which at least 16 genetically distinct types are known to date. The basal unit of a collagen molecule consists of a triple-helical structure formed by 3 alpha-chains. Predominant amino acids are glycine, proline and hydroxyproline. Regularly also lysines and hydroxylysines occur, which are responsible for cross-linkage and glycosylation of the protein chains. Different composition of alpha-chains and different glycosylation contribute to the high variability of collagens in different tissues and organs. Salmon (Salmon salar) Collagen type I.

Source

Immunogen: Purified collagen type I from fish 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-rabbit IgG-conjugates, e.g. anti-rabbit IgG:FITC (Art. No. FI-1000) or anti-rabbit IgG:DyLight488 (Art. No. DI-1488).

Specificity

Species Reactivity: Salmon, crossreactivity with Sole and Tunafish collagen I <0.4, Goldfish collagen I <0.2, mammalian and avian collagen type I <0.2 (OD ELISA at 1:100 dilution)

Applications

IHC(P), IFA, ELISA, RIA

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

Working Concentration: (purified, lyophilized) IFA ? 1:40, IHC(P) ? 1:500, 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. Thereafter 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: Salmon skin or liver

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. Rigo C., Hartmann D.J., Bairati A. - Electrophoretic and immunochemical study of collagens from *Sepia officinalis* cartilage. *Biochim. Biophys. Acta* 2002, 1572, 77-84.

Protein Reference(s)

Database Name: UniProt

Accession number: C0PUP9 (C0PUP9_SALSA)