



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

|                                   |  |
|-----------------------------------|--|
| <b>Product Number</b>             | ARP58441_P050-FITC   |
| <b>Product Page</b>               | <a href="http://www.avivasysbio.com/coll1a2-antibody-middle-region-fitc-arp58441-p050-fitc.html">www.avivasysbio.com/coll1a2-antibody-middle-region-fitc-arp58441-p050-fitc.html</a>   |
| <b>Name</b>                       | COL1A2 Antibody - middle region : FITC (ARP58441_P050-FITC)  |
| <b>Protein Size (# AA)</b>        | 1366 amino acids   |
| <b>Molecular Weight</b>           | 150kDa   |
| <b>Conjugation</b>                | FITC: Fluorescein Isothiocyanate   |
| <b>NCBI Gene Id</b>               | 1278   |
| <b>Host</b>                       | Rabbit   |
| <b>Clonality</b>                  | Polyclonal   |
| <b>Concentration</b>              | 0.5 mg/ml  |
| <b>Gene Full Name</b>             | Collagen, type I, alpha 2  |
| <b>Alias Symbols</b>              | OI4, EDSCV, EDSARTH2   |
| <b>Peptide Sequence</b>           | Synthetic peptide located within the following region:<br><a href="#">PGSVGPAGPRGPAGPSGPAGKDGRTGHPGTVGPAGIRGPOGHQGPAGPPG</a>   |
| <b>Product Format</b>             | Liquid. Purified antibody supplied in 1x PBS buffer.   |
| <b>Reference</b>                  | Huang,H., (er) Community Dent Oral Epidemiol (2008) In press   |
| <b>Description of Target</b>      | COL1A2 is the pro-alpha2 chain of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. This gene encodes the pro-alpha2 chain of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalglish]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. |
| <b>Protein Interactions</b>       | UBQLN1; SGTA; PDGFB; PDGFA; COL1A1; PAN2; LIG4; MYOC; SHBG; UBC; MMP9; COL5A3; CD44; APP; P4HB; ITGA2B; TGFBI; LUM; BGN; VWF; ITGA2; SPARC; CD36; ITGB3; FN1; DCN; CD93;   |
| <b>Reconstitution and Storage</b> | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.   |
| <b>Datasheets/Manuals</b>         | Printable datasheet for <a href="#">anti-COL1A2 (ARP58441_P050-FITC) antibody</a>  |
| <b>Blocking Peptide</b>           | For anti-COL1A2 (ARP58441_P050-FITC) antibody is <a href="#">Catalog # AAP58441</a> (Previous Catalog # AAPP34554)   |
| <b>Immunogen</b>                  | The immunogen is a synthetic peptide directed towards the middle region of human COL1A2  |
| <b>Uniprot ID</b>                 | <a href="#">P08123</a>   |
| <b>Protein Name</b>               | Collagen alpha-2(I) chain  |
| <b>Protein Accession #</b>        | <a href="#">NP_000080</a>  |

|   |   |
|---|---|
| <b>Purification</b>                                   | Affinity Purified   |
| <b>Nucleotide Accession #</b>                         | <a href="#">NM_000089</a>   |
| <b>Gene Symbol</b>                                    | <a href="#">COL1A2</a>  |
| <b>Predicted Species Reactivity</b>                   | Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Zebrafish   |
| <b>Application</b>                                    | WB  |
| <b>Predicted Homology Based on Immunogen Sequence</b> | Cow: 100%; Dog: 93%; Goat: 79%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 79%; Rabbit: 86%; Rat: 100%; Zebrafish: 85%  |
| <b>Image 1</b>  |  A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines. |

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

---

AVIVA SYSTEMS BIOLOGY

6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)