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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58441_P050-Biotin
Product Page	www.avivasysbio.com/coll1a2-antibody-middle-region-biotin-arp58441-p050-biotin.html
Name	COL1A2 Antibody - middle region : Biotin (ARP58441_P050-Biotin)
Protein Size (# AA)	1366 amino acids
Molecular Weight	150kDa
Conjugation	Biotin
NCBI Gene Id	1278
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Collagen, type I, alpha 2
Alias Symbols	OI4, EDSCV, EDSARTH2
Peptide Sequence	Synthetic peptide located within the following region: PGSVGPAGPRGPAGPSGPAGKDGRTGHPGTVGPAGIRGPQGHQGPAGPPG
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Huang,H., (er) Community Dent Oral Epidemiol (2008) In press
Description of Target	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.
Protein Interactions	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;
Reconstitution and Storage	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.
Datasheets/Manuals	Printable datasheet for anti-COL1A2 (ARP58441_P050-Biotin) antibody
Blocking Peptide	For anti-COL1A2 (ARP58441_P050-Biotin) antibody is Catalog # AAP58441 (Previous Catalog # AAPP34554)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human COL1A2
Uniprot ID	P08123
Protein Name	Collagen alpha-2(I) chain
Protein Accession #	NP_000080

Purification	Affinity Purified
Nucleotide Accession #	NM_000089
Gene Symbol	COL1A2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 93%; Goat: 79%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 79%; Rabbit: 86%; Rat: 100%; Zebrafish: 85%
Image 1	

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

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