

Rabbit anti-Human COL1A2 Polyclonal Antibody | anti-COL1A2 antibody

COL1A2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA171637	Rabbit	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

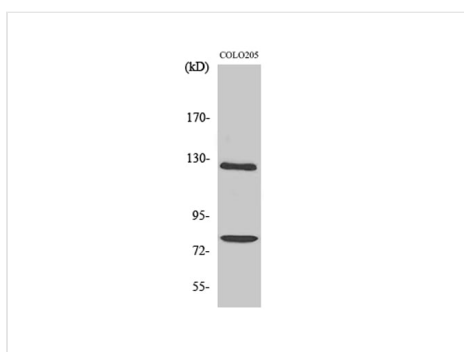
PRODUCT SYNONYMS

COL1A2; Polyclonal Antibody; COL1A2 Polyclonal Antibody; Collagen alpha-2(I) chain; Alpha-2 type I collagen; anti-COL1A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol pH 7.4.
Applicable Applications for anti-COL1A2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from the Internal region of human COL1A2.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8787 / sc-8786 / sc-8785 / sc-28655
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of COLO205 cells using COL1A2 Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-COL1A2 antibody	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 fibrilforming 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48762934
NCBI GeneID	1278
NCBI Accession #	NP_000080.2
NCBI GenBank Nucleotide #	NM_000089.3
Molecular Weight	Calculated MW: 129 kDa Observed MW: 125 kDa
NCBI Official Full Name	collagen alpha-2(I) chain
NCBI Official Synonym Full Names	collagen type I alpha 2
NCBI Official Symbol	COL1A2
NCBI Official Synonym Symbols	OI4
NCBI Protein Information	collagen alpha-2(I) chain
UniProt Protein Name	Collagen alpha-2(I) chain
UniProt Gene Name	COL1A2
UniProt Entry Name	CO1A2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.