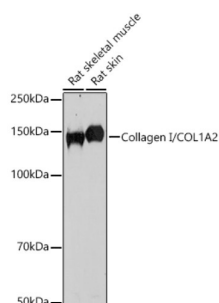


Collagen Type I Alpha 2 (COL1A2) Antibody

Catalogue No.: abx004432



Western blot analysis of extracts of various cell lines using Collagen I/COL1A2 Antibody (1/1000 dilution).

COL1A2 Antibody is a Rabbit Polyclonal antibody against COL1A2. 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.

Target:	Collagen Type I Alpha 2 (COL1A2)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to human Collagen I/COL1A2
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 4.0.0
Revision date: 05 Nov 2025



UniProt Primary AC: P08123 ([UniProt](#), [ExPASy](#))

Gene Symbol: COL1A2

GeneID: [1278](#)

NCBI Accession: NP_000080.2

KEGG: hsa:1278

String: [9606.ENSP00000297268](#)

Molecular Weight: Calculated MW: 129 kDa
Observed MW: 140 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only