

COL2A1 Polyclonal Antibody

Catalog No. E-AB-30990

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

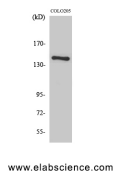
Reactivity	Human, Mouse, Rat
Immunogen	Synthesized peptide derived from the N-terminal region of human COL2A1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications

Recommended Dilution

WB	1:500-1:2000
IHC	1:100-1:300
IF	1:200-1:1000
ELISA	1:20000

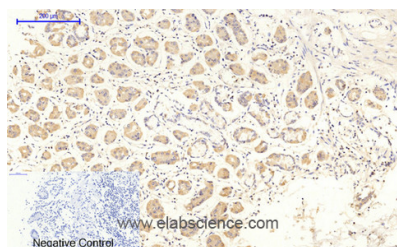
Data



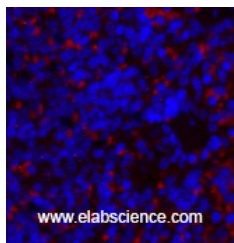
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Western Blot analysis of COLO205 cells using COL2A1 Polyclonal Antibody at dilution of 1:1000.

Observed Mw:140kDa
Calculated Mw:142kDa



Immunohistochemistry of paraffin-embedded human stomach tissue using COL2A1 Polyclonal Antibody at dilution of 1:200.



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Immunofluorescence analysis of Rat spleen tissue using COL2A1 Polyclonal Antibody at dilution of 1:200.

For Research Use Only

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene.

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