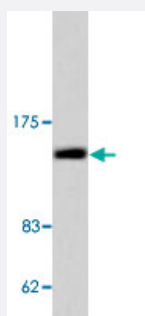


COL2A1 polyclonal antibody

Catalog # PAB27039

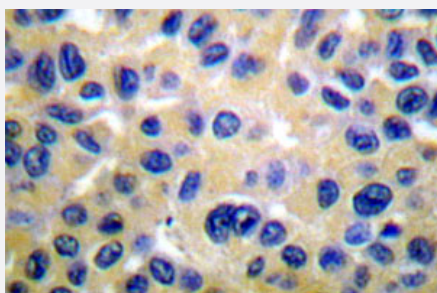
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of COL2A1 polyclonal antibody (Cat # PAB27039) in extracts from COLO 205 cell.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of COL2A1 polyclonal antibody (Cat # PAB27039) in paraffin-embedded human breast carcinoma tissue.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of COL2A1.
Immunogen	A synthetic peptide corresponding to human COL2A1.
Host	Rabbit
Theoretical MW (kDa)	140
Reactivity	Human, Mouse, Rat
Specificity	COL2A1 polyclonal antibody detects endogenous levels of COL2A1 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of COL2A1 polyclonal antibody (Cat # PAB27039) in extracts from COLO 205 cell.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of COL2A1 polyclonal antibody (Cat # PAB27039) in paraffin-embedded human breast carcinoma tissue.

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — COL2A1

Entrez GeneID	1280
Protein Accession#	P02458
Gene Name	COL2A1
Gene Alias	ANFH, AOM, COL11A3, MGC131516, SEDC
Gene Description	collagen, type II, alpha 1
Omim ID	108300 120140 132450 151210 156550 165720 183900 184250 184252 200610 215150 271700 608805

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000195063|cartilage collagen|chondrocalcin|collagen II, alpha-1 polypeptide

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cumulative Trauma Disorders](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gaucher disease](#)
- [Genetic Predisposition to Disease](#)
- [Hip Dislocation](#)
- [Intervertebral Disk Displacement](#)
- [Legg-Perthes Disease](#)
- [Myopia](#)

- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Thrombophilia](#)
- [Toxoplasmosis](#)