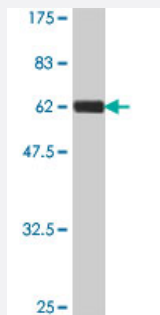


COL2A1 polyclonal antibody (A01)

Catalog # H00001280-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (55.59 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant COL2A1.
Immunogen	COL2A1 (AAH07252, 1 a.a. ~ 268 a.a) full-length recombinant protein with GST tag.
Sequence	MSAFAGLGPREKGPDPQLQYMRADQAAGGLRQHDAEVDATLKSNNQIESIRSPEGSRKNPARTC RDLKLCHPEWKSGDYWIDPNQGCTLDAMKVFCNMETGETCVYPNPANVPKKNWWSSKSKEKK HIWFGETINGGFHFSYGDDNLAPNTANVQMTFLRLLSTEGSQNITYHCKNSIAYLDEAAGNLKKALLI QGSNDVEIRAEGNSRFTYTALKDGCTKHTGKWGKTVIEYRSQKTSRLPIIDAPMDIGGPEQEFQVD IGPVCFL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (55.59 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — COL2A1

Entrez GeneID	1280
GeneBank Accession#	BC007252
Protein Accession#	AAH07252
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](#)