

COL2A1 antibody

Catalog No: #38254



Package Size: #38254-1 50ul #38254-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

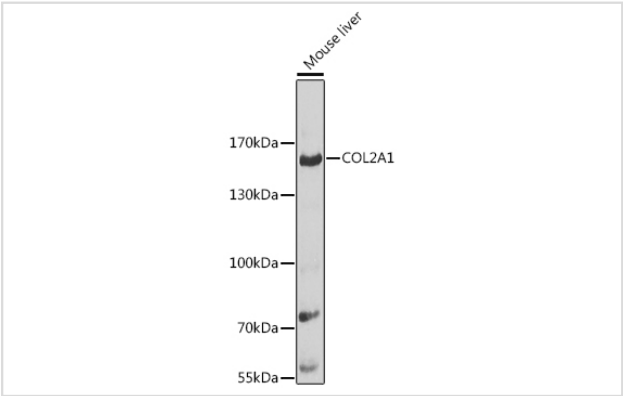
Description

Product Name	COL2A1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of total COL2A1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human COL2A1 (NP_149162.2).
Conjugates	Unconjugated
Target Name	COL2A1
Other Names	COL2A1;ANFH;AOM;COL11A3;SEDC;STL1
Accession No.	Uniprot:P02458GeneID:1280
SDS-PAGE MW	141kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

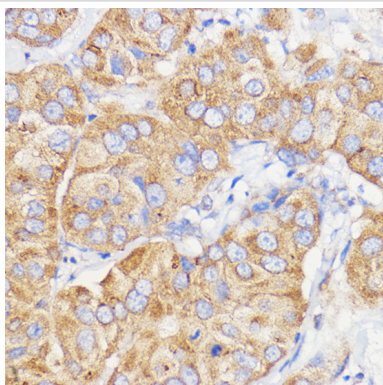
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200

Images



Western blot analysis of extracts of mouse liver, using COL2A1 antibody.



Immunohistochemistry of paraffin-embedded Human breast cancer using COL2A1 Rabbit pAb.

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.

Published Papers

el at., Blocking ACSL6 Compromises Autophagy via FLI1 β • Mediated Downregulation of COLs to Radiosensitize Lung Cancer. In Adv Sci (Weinh) on 2024 Oct by Wen Ding, Shijun Bao,et al..PMID:39206814, , (2024)

[PMID:39206814](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.