

COL2A1 antibody

Catalog No: #38254

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

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

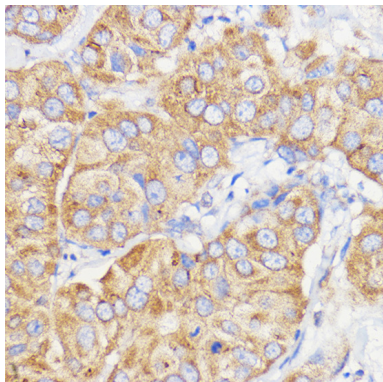
Description

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.

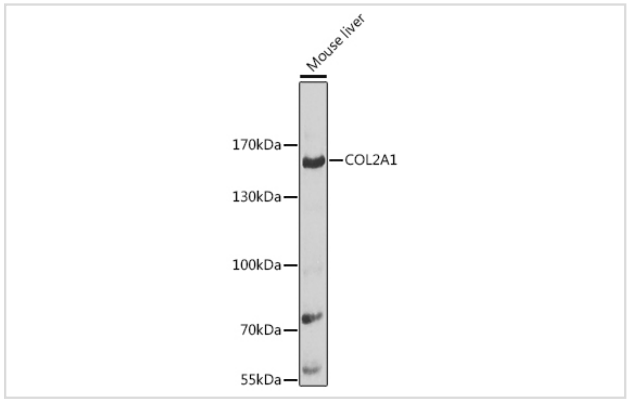
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

Images



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



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

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.