Collagen X Rabbit mAb

Catalog No: #49327

Package Size: #49327-1 50ul #49327-2 100ul



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

Description				
Product Name	Collagen X Rabbit mAb			
Host Species	Recombinant Rabbit			
Clonality	Monoclonal antibody			
Clone No.	JF0961			
Purification	ProA affinity purified			
Applications	WB			
Species Reactivity	Hu, Ms, Rt			
Immunogen Description	recombinant protein			
Other Names	COAA1_HUMAN antibody Col10a 1 antibody COL10A1 antibody Collagen alpha 1(X) chain antibody Collagen			
	alpha-1(X) chain antibody Collagen type X alpha 1 (Schmid metaphyseal chondrodysplasia) antibody Collagen			
	type X alpha 1 antibody Collagen X alpha 1 polypeptide antibody CollagenX antibody fa66d11 antibody			
	fb10c08 antibody OTTHUMP00000040411 antibody Procollagen type X alpha 1 antibody Schmid metaphyseal			
	chondrodysplasia antibody wu:fa66d11 antibody wu:fb10c08 antibody			
Accession No.	Swiss-Prot#:Q03692			
Uniprot	Q03692			
GeneID	1300;			

1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

Application Details

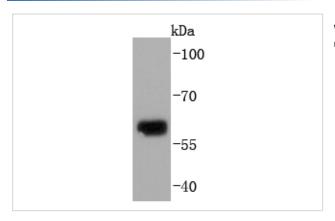
WB: 1:1,000-1:2,000

Calculated MW

Formulation

Storage

Images



66 kDa

Store at -20°C

Western blot analysis of Collagen X on human skin lysates using anti-Collagen X antibody at 1/1,000 dilution.

Background

Collagen Type X is associated with hypertrophic chondrocytes of avian and mammalian growth plate tissues during the endochondral growth of long bones. It is a component of normal articular cartilage in adult human, growing pig and newborn rat, and it is also present during any disruption of normal metabolic status of articular cartilage that occur with osteoarthritis. Collagen Type X is composed of three identical a 1(X) chains, each containing a triple-helical region flanked by a short N-terminal sequence and a larger non-collagenous C-terminal (NC1) domain. Mutations in COL10A1, the gene encoding for Collagen Type X, are associated with metaphyseal dysplasia type Schmid (SMCD) and other related forms of metaphyseal dysplasia. SMCD is characterized by short-limbed dwarfism, an outward "flaring" of the lower rib cage, bowed legs, leg pain and a hip deformity that causes the thigh bone to angle toward the center of the body.

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Note: This product is for in vitro research use only