

Mouse anti-Human, Rat Collagen, Type III Monoclonal Antibody | anti-COL3A1 antibody

Anti-Collagen, Type III antibody (monoclonal)

CATALOG # AAA44884	HOST Mouse	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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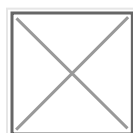
PRODUCT SYNONYMS

Collagen; Type III; Monoclonal Antibody; Anti-Collagen; Type III antibody (monoclonal); Collagen alpha-1(III) chain; collagen; type III; alpha 1; EDS4A; COLLAGEN; FETAL; BLOOD VESSEL; anti-COL3A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	Col-29
Specificity	No cross reactivity with other proteins.
Form/Format	Lyophilized Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Sequence Length	1466
Applicable Applications for anti-COL3A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Human collagen type III.
Reconstitution	1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-Collagen, Type III antibody (monoclonal), AAA44884, Western blotting Lane 1: HT1080

Cell Lysate Lane 2: COLO320 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-COL3A1 antibody

Description: Mouse IgG monoclonal antibody for Collagen, Type III, collagen, type III, alpha 1 (COL3A1) detection. Tested with WB, IHC-F in Human, mouse, rat. No cross reactivity with other proteins. Uniprot ID: P02461

Background: Collagen type III, also known as COL3A1, is assigned to chromosome 2. Ultrastructural analysis of tissues from mutant mice revealed that type III collagen is essential for normal collagen I fibrillogenesis in the cardiovascular system and other organs. Type III collagen is crucial for collagen I fibrillogenesis and for normal cardiovascular development.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124056490
NCBI GeneID	1281
UniProt Accession #	P02461; P78429; Q15112; Q16403; Q53S91; Q541P8; Q6LDB3; Q6LDJ2; Q6LDJ3; Q7KZ56; D2JYH5; D3DPH4
NCBI Official Full Name	Collagen alpha-1(III) chain
NCBI Official Synonym Full Names	collagen, type III, alpha 1
NCBI Official Symbol	COL3A1
NCBI Official Synonym Symbols	EDS4A
NCBI Protein Information	collagen alpha-1(III) chain; collagen alpha-1(III) chain; collagen, fetal; alpha1 (III) collagen; Ehlers-Danlos syndrome type IV, autosomal dominant
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	COL3A1
UniProt Entry Name	CO3A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/collagen-type-iii-antibody-clone-col-29-immunohistochemistry-western-blot-elisa/44884>