

Rabbit COL9A1 Polyclonal Antibody | anti-COL9A1 antibody

COL9A1

CATALOG # AAA279839	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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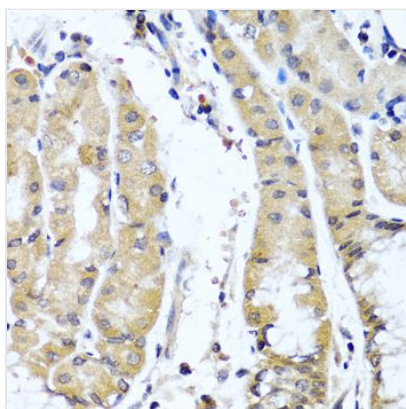
PRODUCT SYNONYMS

COL9A1; Polyclonal Antibody; COL9A1;DJ149L1.1.2;EDM6;MED;STL4; anti-COL9A1 antibody

PRODUCT SPECIFICATIONS

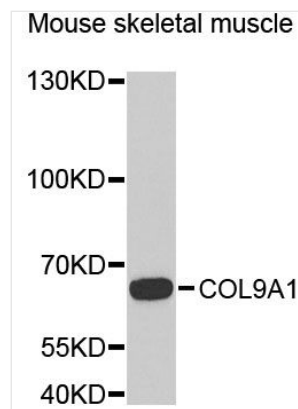
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Sequence Length	921
Applicable Applications for anti-COL9A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species Reactivity/Cross-Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-270 of human COL9A1 (NP_001842.3).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using COL9A1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of mouse skeletal muscle, using COL9A1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-COL9A1 antibody	This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. Two transcript variants that encode different isoforms have been identified for this gene.
Product Categories/Family for anti-COL9A1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439373
NCBI GeneID	1297
UniProt Accession #	P20849; Q13699; Q13700; Q5TF52; Q6P467; Q96BM8; Q99225; Q9H151; Q9H152; Q9Y6P2; Q9Y6P3
Molecular Weight	Observed MW: 65kDa Calculated MW: 35kDa/64kDa/91kDa
NCBI Official Full Name	Collagen alpha-1(IX) chain
NCBI Official Synonym Full Names	collagen, type IX, alpha 1
NCBI Official Symbol	COL9A1
NCBI Official Synonym Symbols	MED; EDM6; STL4; DJ149L1.1.2
NCBI Protein Information	collagen alpha-1(IX) chain; collagen alpha-1(IX) chain; alpha-1(IX) collagen chain; collagen IX, alpha-1 polypeptide; cartilage-specific short collagen
UniProt Protein Name	Collagen alpha-1(IX) chain
UniProt Gene Name	COL9A1
UniProt Entry Name	CO9A1_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.