

Rabbit COL1A1 Polyclonal Antibody | anti-COL1A1 antibody

COL1A1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29806	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

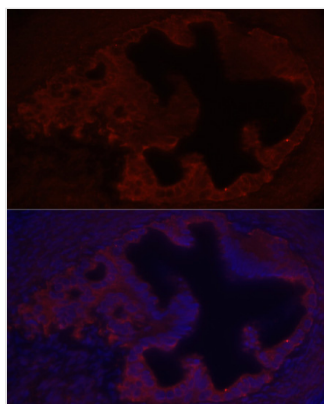
PRODUCT SYNONYMS

COL1A1; Polyclonal Antibody; COL1A1 Polyclonal Antibody; EDSC; OI1; OI2; OI3; OI4; collagen alpha-1 (I) chain; anti-COL1A1 antibody

PRODUCT SPECIFICATIONS

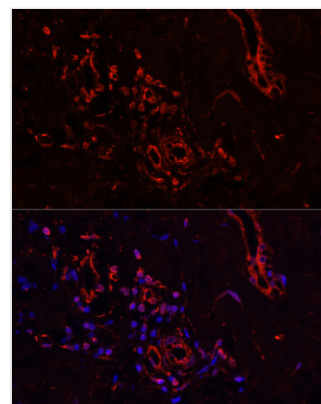
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 50% glycerol, pH7.4
Applicable Applications for anti-COL1A1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:1000 IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	A synthetic peptide of human COL1A1 (NP_000079.2).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



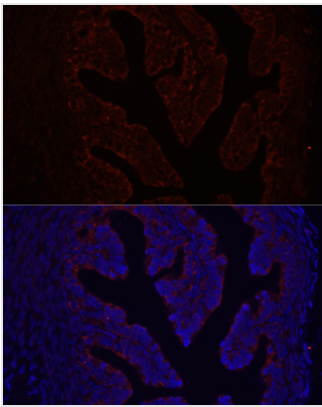
IF (Immunofluorescence)

Immunofluorescence analysis of human breast cancer using COL1A1 antibody.



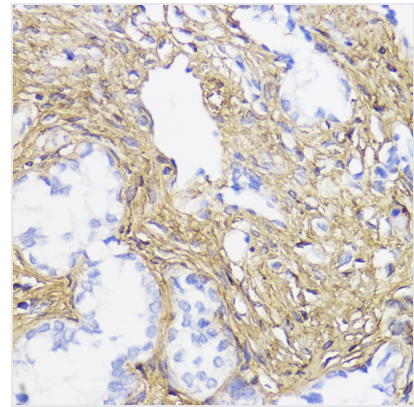
IF (Immunofluorescence)

Immunofluorescence analysis of human breast cancer using COL1A1 antibody.



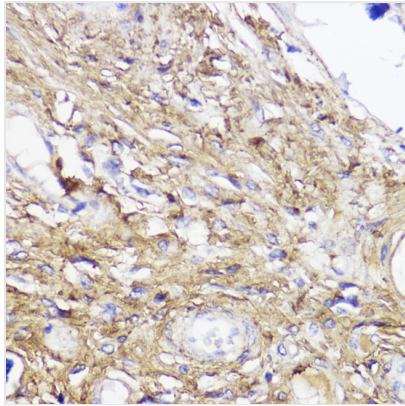
IF (Immunofluorescence)

Immunofluorescence analysis of rat ovary using COL1A1 antibody.



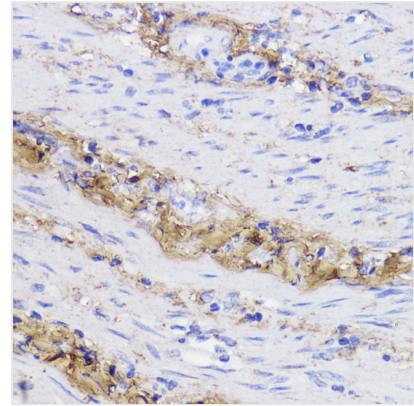
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat ovary using COL1A1 antibody.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using COL1A1 antibody.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using COL1A1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COL1A1 antibody

This gene encodes the pro-alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.

Product Categories/Family for anti-COL1A1 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349772
NCBI GeneID	1277
NCBI Accession #	NP_000079.2
NCBI GenBank Nucleotide #	NM_000088.3
UniProt Accession #	P02452; O76045; P78441; Q13896; Q13902; Q13903; Q14037; Q14992; Q15176; Q15201; Q16050; Q59F64
Molecular Weight	1464
NCBI Official Full Name	collagen alpha-1(I) chain preproprotein

NCBI Official Synonym Full Names	collagen, type I, alpha 1
NCBI Official Symbol	COL1A1
NCBI Official Synonym Symbols	OI4
NCBI Protein Information	collagen alpha-1(I) chain; collagen alpha-1(I) chain; alpha-1 type I collagen; pro-alpha-1 collagen type 1; collagen alpha 1 chain type I; collagen alpha-1(I) chain preproprotein; collagen of skin, tendon and bone, alpha-1 chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	COL1A1
UniProt Entry Name	CO1A1_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://www.aaabiotech.com/polyclonal/col1a1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29806>