

Rabbit Collagen 18 alpha 1 Polyclonal Antibody | anti-COL18A1 antibody

Anti-Collagen 18 alpha 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA261231	Rabbit	Human, Bovine, Chicken	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

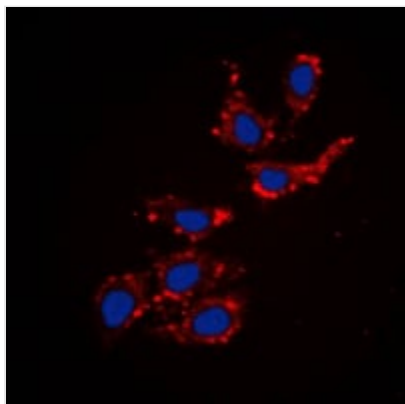
PRODUCT SYNONYMS

Collagen 18 alpha 1; Polyclonal Antibody; Anti-Collagen 18 alpha 1 Antibody; Collagen alpha-1(XVIII) chain; anti-COL18A1 antibody

PRODUCT SPECIFICATIONS

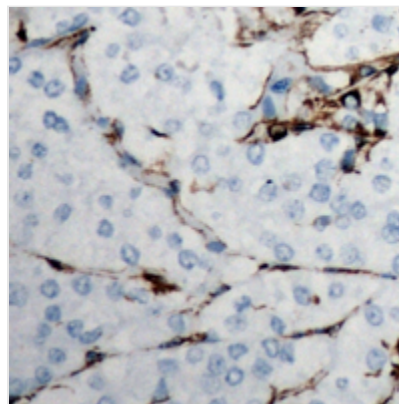
Host	Rabbit
Reactivity	Human, Bovine, Chicken
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Collagen 18 alpha 1 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Sequence Length	1754
Applicable Applications for anti-COL18A1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Collagen 18 alpha 1. The exact sequence is proprietary.
Preparation and Storage	Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

IMAGES



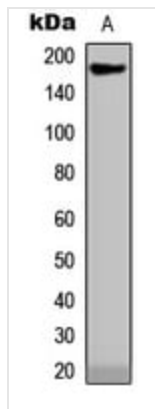
IF (Immunofluorescence)

Immunofluorescent analysis of Collagen 18 alpha 1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of Collagen 18 alpha 1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Western blot analysis of Collagen 18 alpha 1 expression in MCF7 (A) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-COL18A1 antibody	Rabbit polyclonal antibody to Collagen 18 alpha 1
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215274264
NCBI GeneID	80781
UniProt Accession #	P39060; Q58EX6; Q6RZ39; Q6RZ40; Q6RZ41; Q8N4S4; Q8WXI5; Q96T70; Q9UK38; Q9Y6Q7; Q9Y6Q8; A8MVI4
NCBI Official Full Name	Collagen alpha-1(XVIII) chain
NCBI Official Synonym Full Names	collagen type XVIII alpha 1
NCBI Official Symbol	COL18A1
NCBI Official Synonym Symbols	KS; KNO; KNO1
NCBI Protein Information	collagen alpha-1(XVIII) chain
UniProt Protein Name	Collagen alpha-1(XVIII) chain
UniProt Gene Name	COL18A1
UniProt Entry Name	COIA1_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.