COL1A2 Antibody

CAB5786

Description

This COL1A2 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB5786
Contents:	20 µL, 100 µL
	Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	OI4, EDSCV, EDSARTH2, Collagen I/COL1A2
Clone:	-
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	1278
Uniprot:	AB_2766539
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	165kDa
Calculated MW:	129kDa

Preparation & Storage

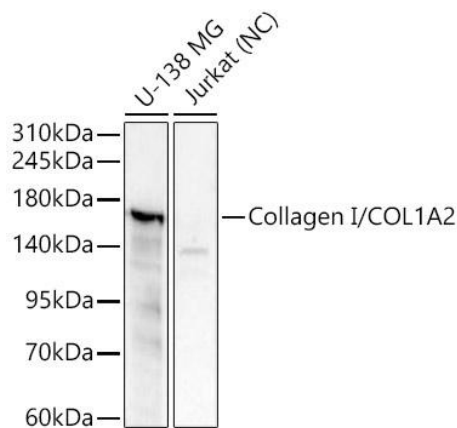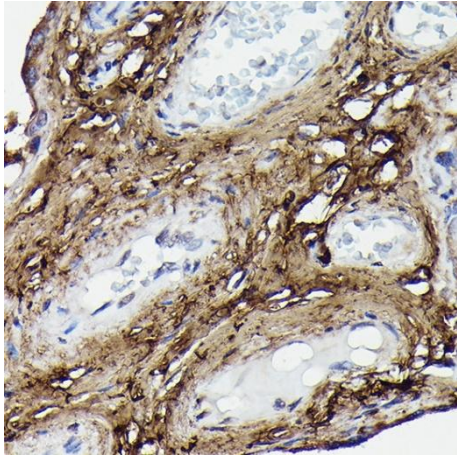|	
Storage:	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. Store Bradford Reagent at Room Temperature for 1 Year.
Positive Sample:	Saos-2

Recommended Dilutions:

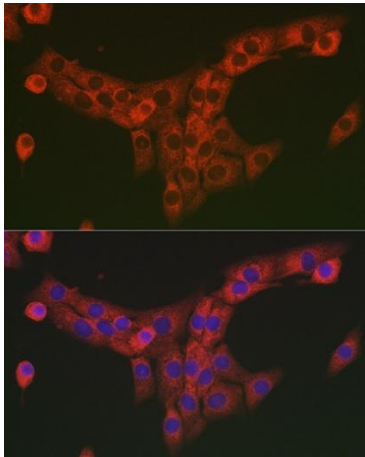|	
WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:25 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional):	To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

Validation Data

Western blot analysis of various lysates, using Collagen I/COL1A2 Rabbit pAb (CAB5786) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Negative control (NC):Jurkat Exposure time: 30s.

Immunohistochemistry analysis of paraffin-embedded Human placenta using Collagen I/COL1A2 Rabbit pAb (CAB5786) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunofluorescence analysis of NIH/3T3 cells using Collagen I/COL1A2 Rabbit pAb (CAB5786) at dilution of 1:25. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.