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anti-COL3A1 antibody (N-Term)

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Images



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Quantity:	100 μL
Target:	COL3A1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL3A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF),
	Immunochromatography (IC)
Product Details	
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of
	human Collagen 3 alpha 1.
Specificity:	Recognizes endogenous levels of Collagen 3 alpha 1 protein.
Characteristics:	Rabbit polyclonal antibody to Collagen 3 alpha 1
Purification:	The antibody was purified by immunogen affinity chromatography.
Target Details	
Target:	COL3A1
Alternative Name:	Collagen 3 alpha 1 (COL3A1 Products)

Target Details

Background:	Collagen alpha-1(III) chain
Gene ID:	1281, 12825, 84032
UniProt:	P02461, P08121, P13941
Pathways:	Autophagy, Growth Factor Binding

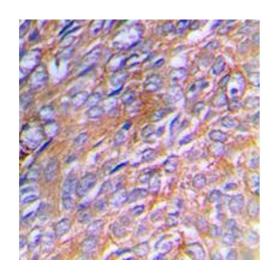
Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

Handling

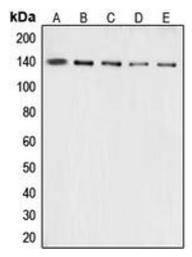
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

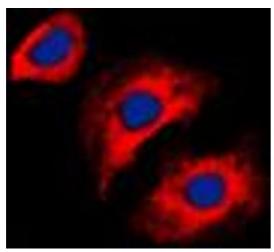
Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of Collagen 3 alpha 1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pretreated 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.

Western Blotting

Image 2. Western blot analysis of Collagen 3 alpha 1 expression in A10 (A), HeLa (B), mouse lung (C), mouse liver (D), rat lung (E) whole cell lysates.

Immunofluorescence

staining in HeLa 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).