

Product Datasheet

Collagen I Rabbit Polyclonal Antibody (orb312178)

Catalog Number	orb312178
Category	Antibodies
Description	Collagen I Rabbit Polyclonal Antibody
Target	COL1A1
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rabbit, Rat
Predicted Reactivity	Bovine, Canine, Gallus, Sheep
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human Collagen I C-terminal propeptide (1321-1400/1464aa)
UniProt ID	P02452
MW	130 kDa

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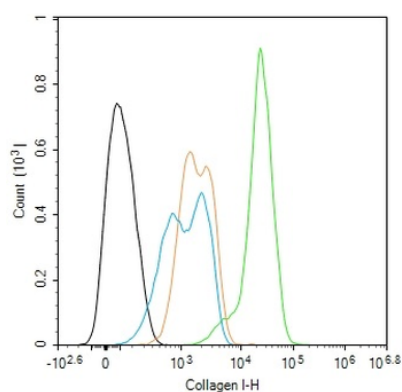
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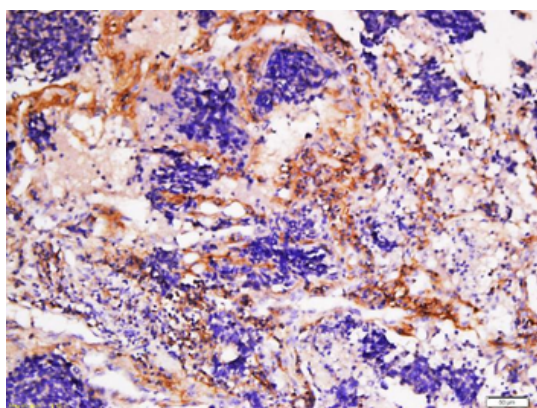
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Tested applications	IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control: Hela. Primary Antibody (green line): Rabbit Anti-Collagen I antibody (orb312178), dilution: 1 ug/Test, Secondary Antibody: Goat anti-rabbit IgG-FITC, dilution: 0.5 ug/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with Collagen I Polyclonal Antibody, Unconjugated (orb312178) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

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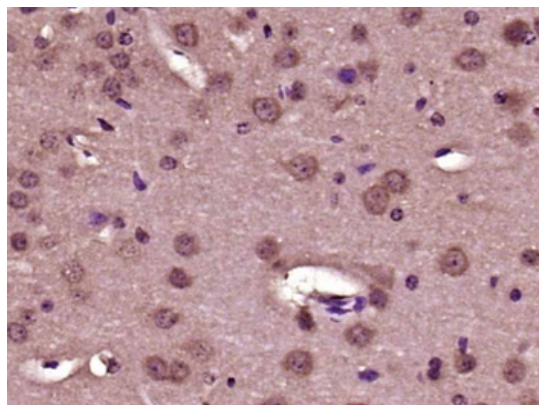
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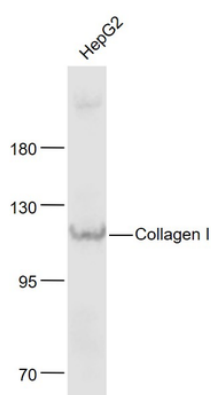
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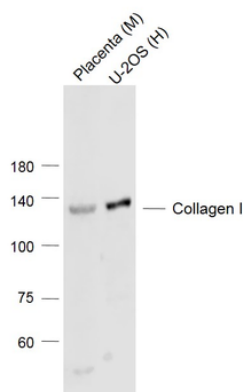
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Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with Collagen I Polyclonal Antibody, Unconjugated (orb312178) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.



Sample: Lane 1: HepG2 (Human) Cell Lysate at 30 ug, Primary: Anti-Collagen I (orb312178) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 130, 110 kD, Observed band size: 130 kD.



Sample: Lane 1: Placenta (Mouse) Lysate at 40 ug, Lane 2: U-2OS (Human) Cell Lysate at 30 ug, Primary: Anti-Collagen I (orb312178) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 130 kD, Observed band size: 130 kD.

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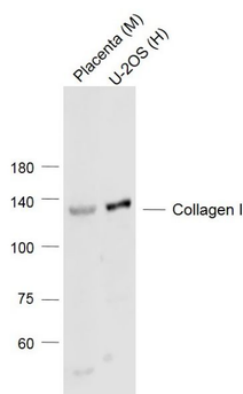
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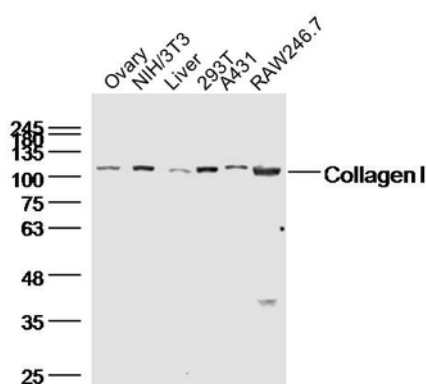
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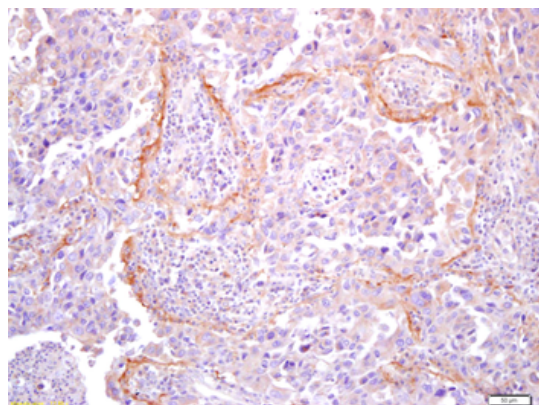
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Sample: Lane 1: Placenta (Mouse) Lysate at 40 ug, Lane 2: U-2OS (Human) Cell Lysate at 30 ug, Primary: Anti-Collagen I (orb312178) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 130, 110 kD, Observed band size: 130 kD.



Sample: Ovary (Mouse) Lysate at 40 ug, NIH/3T3 (Mouse) Cell Lysate at 40 ug, Liver (Rat) Lysate at 40 ug, 293T (huamn) Cell Lysate at 40 ug, A431 (huamn) Cell Lysate at 40 ug, RAW264.7 (Mouse) Cell Lysate at 40 ug, Primary: Anti-Collagen I (orb312178) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 130 kD, Observed band size: 110 kD.



Tissue/Cell: human lung carcinoma, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Collagen I Polyclonal Antibody, Unconjugated (orb312178) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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