

## Product Datasheet

### Collagen II Rabbit Polyclonal Antibody (orb182930)

<b>Catalog Number</b>	orb182930
<b>Category</b>	Antibodies
<b>Description</b>	Collagen II Rabbit Polyclonal Antibody
<b>Target</b>	COL2A1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Bovine, Canine, Equine, Gallus, Porcine, Rabbit
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human Collagen II (231-330/1487aa)
<b>UniProt ID</b>	<b>P02458</b>
<b>MW</b>	125-135 kDa

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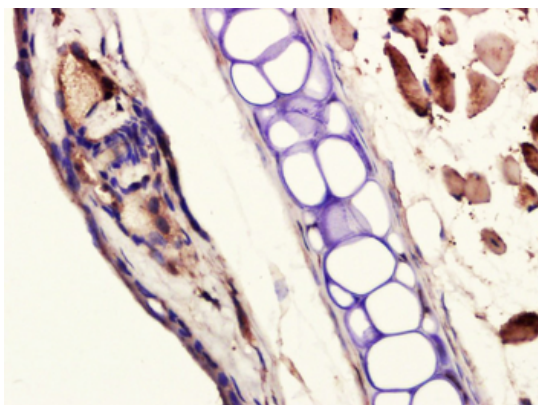
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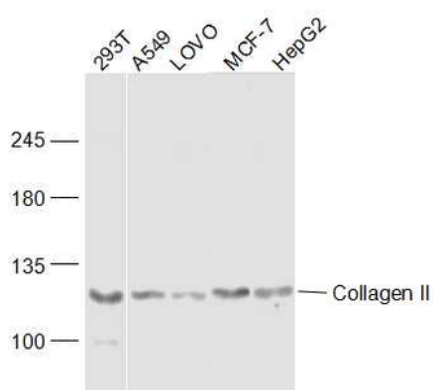
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<b>Tested applications</b>	IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term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



Paraformaldehyde-fixed, paraffin embedded (mouse ear), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Collagen II) Polyclonal Antibody, Unconjugated (orb182930) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Sample: 293T (Human) Cell Lysate at 30 ug, A549 (Human) Cell Lysate at 30 ug, LOVO (Human) Cell Lysate at 40 ug, MCF-7 (Human) Cell Lysate at 30 ug, HepG2 (Human) Cell Lysate at 30 ug, Primary: Anti-Collagen II (orb182930) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 117 kD, Observed band size: 117 kD.

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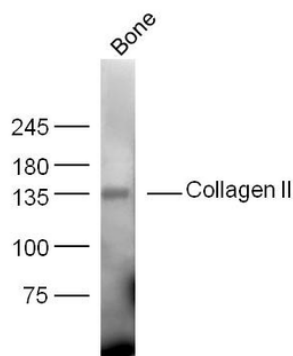
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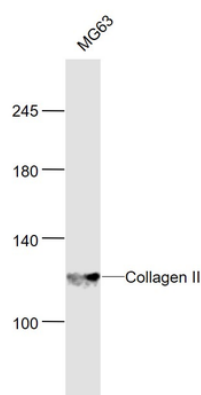
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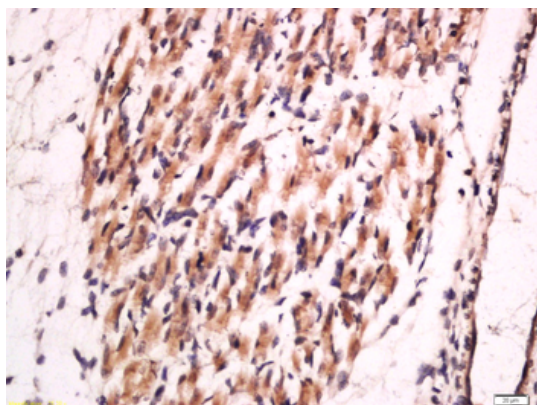
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Sample: bone (Mouse) Lysate at 40 ug, Primary: Anti-Collagen II (orb182930) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 117 kD, Observed band size: 134 kD.



Sample: MG63 (Human) Cell Lysate at 30 ug, Primary: Anti-Collagen II (orb182930) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 117 kD, Observed band size: 117 kD.



Tissue/Cell: Mouse embryo tissue, 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 II Polyclonal Antibody, Unconjugated (orb182930) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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