

Product Datasheet

Anti-Collagen 4 alpha 2 Antibody (orb304728)

Description	Rabbit polyclonal antibody to Collagen IV
Species/Host	Rabbit
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	IF, IH, WB
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Collagen 4 alpha 2. The exact sequence is proprietary.
Target	COL4A2
Preservatives	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Form/Appearance	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
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
Clonality	Polyclonal
Antibody Type	Primary Antibody
Source	Rabbit
Uniprot ID	P08572, P08122
Entrez	1284, 12827
Dilution Range	WB: 1:500-1000

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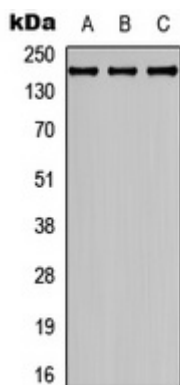
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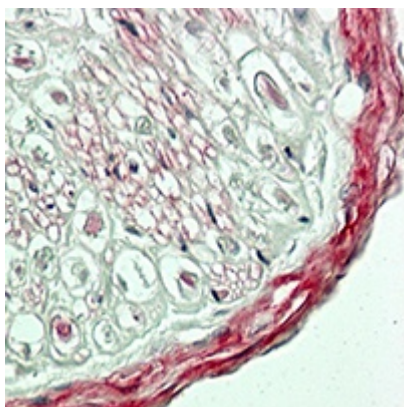
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Expiration Date

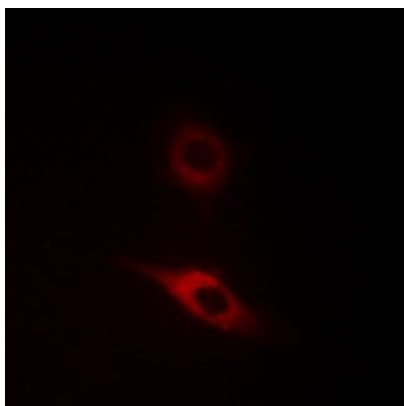
12 months from date of receipt.



Western blot analysis of Collagen 4 alpha 2 expression in SHSY5Y (A), HEK293T (B), NIH3T3 (C) whole cell lysates. (Predicted band size: 167 kD; Observed band size: 168 kD)



Immunohistochemical analysis of Collagen 4 alpha 2 staining in human skeletal muscle 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. AEC was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Collagen 4 alpha 2 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.

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