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Collagen III alpha 1/COL3A1 Rabbit pAb

Catalog No.: A3795SP

Basic Information

Observed MW
140-180 kDa

Calculated MW
139 kDa

Category
Primary antibody

Applications
WB,ELISA

Cross-Reactivity
Human, Mouse

Background

This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome type IV, and with aortic and arterial aneurysms.

Recommended Dilutions

WB   1:1000 - 1:2000

ELISA   Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID   **Swiss Prot**
1281   P02461

Immunogen
This information is considered to be commercially sensitive.

Synonyms
EDS4A; EDSVASC; PMGEDSV; Collagen III alpha 1/COL3A1

Contact

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Product Information

Source   **Isotype**   **Purification**
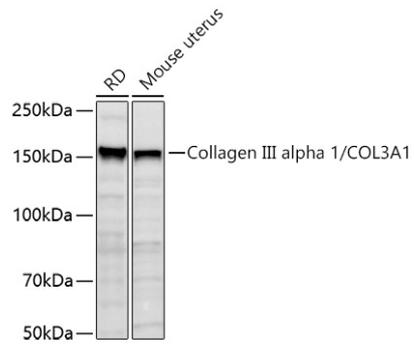Rabbit   IgG   Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.
May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data

Western blot analysis of various lysates using Collagen III alpha 1/COL3A1 Rabbit pAb (A3795SP) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15 s.