

Collagen 5 alpha 3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51108

Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | P25940 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 172121 |

Additional Information

| | |
|--------------------|---|
| Gene ID | 50509 |
| Other Names | Collagen alpha-3(V) chain, COL5A3 |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Collagen 5 alpha 3. The exact sequence is proprietary. |
| Dilution | WB~~ 1:1000 |
| Format | 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50% |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

Protein Information

| | |
|-------------------|---|
| Name | COL5A3 |
| Function | Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin. |
| Cellular Location | Secreted, extracellular space, extracellular matrix {ECO:0000255 PROSITE-ProRule:PRU00793}. Secreted |
| Tissue Location | Detected in fibroblasts (at protein level) (PubMed:36213313). Detected in urine (at protein level) (PubMed:37453717). |

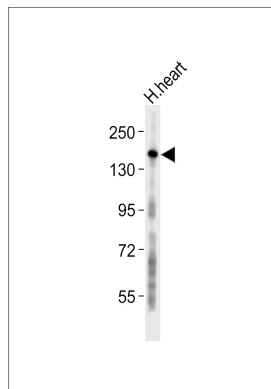
Background

Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.

References

Imamura Y.,et al.J. Biol. Chem. 275:8749-8759(2000).
Grimwood J.,et al.Nature 428:529-535(2004).
Mann K.,et al.Biol. Chem. Hoppe-Seyler 373:69-75(1992).
Chen R.,et al.J. Proteome Res. 8:651-661(2009).

Images



Anti-Collagen 5 alpha 3 Antibody at 1:1000 dilution + human heart lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 172 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.