

**LEPREL2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58369****Specification**

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**LEPREL2 Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q8IVL6</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81837

**LEPREL2 Polyclonal Antibody - Additional Information****Gene ID** 10536**Other Names**

Prolyl 3-hydroxylase 3 {ECO:0000312|HGNC:HGNC:19318}, 1.14.11.7, Leprecan-like protein 2, Protein B, P3H3 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=19318" target="\_blank">HGNC:19318</a>)

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**LEPREL2 Polyclonal Antibody - Protein Information****Name** P3H3 ([HGNC:19318](#))**Function**

Part of a complex composed of PLOD1, P3H3 and P3H4 that catalyzes hydroxylation of lysine residues in collagen alpha chains and is required for normal assembly and cross-linking of collagen fibrils. Required for normal hydroxylation of lysine residues in type I collagen chains in skin, bone, tendon, aorta and cornea. Required for normal skin stability via its role in hydroxylation of lysine residues in collagen alpha chains and in collagen fibril assembly. Apparently not required for normal prolyl 3-hydroxylation on collagen chains, possibly because it functions redundantly with other prolyl 3-hydroxylases.

**Cellular Location**

Endoplasmic reticulum {ECO:0000255|PROSITE- ProRule:PRU10138}

**Tissue Location**

Detected in fetal cartilage (at protein level) (PubMed:28115524). Weak expression in heart, lung,

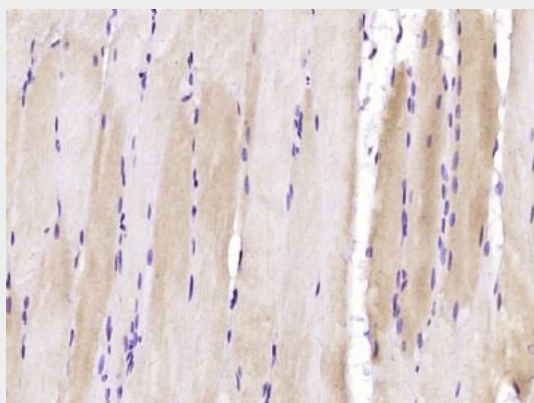
ovary and skeletal muscle (PubMed:8723724).

### **LEPREL2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **LEPREL2 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LEPREL2) Polyclonal Antibody, Unconjugated (bs-6068R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.