

LEPREL1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56999

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IVL5
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80984

Additional Information

Gene ID	55214
Other Names	Prolyl 3-hydroxylase 2 {ECO:0000312 HGNC:HGNC:19317}, 1.14.11.7, Leprecan-like protein 1, Myxoid liposarcoma-associated protein 4, P3H2 (HGNC:19317)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	P3H2 (HGNC:19317)
Function	Prolyl 3-hydroxylase that catalyzes the post-translational formation of 3-hydroxyproline on collagens (PubMed: 18487197). Contributes to proline 3-hydroxylation of collagen COL4A1 and COL1A1 in tendons, the eye sclera and in the eye lens capsule (By similarity). Has high activity with the type IV collagen COL4A1, and lower activity with COL1A1 (PubMed: 18487197). Catalyzes hydroxylation of the first Pro in Gly-Pro-Hyp sequences where Hyp is 4-hydroxyproline (PubMed: 18487197). Has no activity on substrates that lack 4- hydroxyproline in the third position (PubMed: 18487197).
Cellular Location	Endoplasmic reticulum {ECO:0000255 PROSITE- ProRule:PRU10138, ECO:0000269 PubMed:15063763}. Sarcoplasmic reticulum. Golgi apparatus
Tissue Location	Expression localized to the epithelia of bile ducts and to the sarcoplasm of heart muscle and skeletal muscle. In the pancreas, localized to a subpopulation of Langerhans islet cells and in the salivary gland, expressed in acinar cells (at protein level) (PubMed:15063763). Expressed in adult heart,

placenta, lung, liver, skeletal muscle and kidney (PubMed:15063763, PubMed:18487197). Detected in fetal heart, spleen, lung, liver skeletal muscle and kidney (PubMed:18487197).

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