

LEPREL1 蛋白抗体

产品货号： mlR18223

英文名称： LEPREL1

中文名称： LEPREL1 蛋白抗体

别名： 4832416N06; AW553532; Leprecan like 1; Leprecan-like protein 1; Leprel1; MCVD; MLAT4; Myxoid liposarcoma-associated protein 4; P3H2; P3H2_HUMAN; Prolyl 3 hydroxylase 3; Prolyl 3-hydroxylase 2.

研究领域： 细胞生物 免疫学 神经生物学 信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 78kDa

细胞定位： 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human LEPREL1:431-530/708

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. 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.

PubMed： PubMed

产品介绍： This gene encodes a member of the prolyl 3-hydroxylase subfamily of 2-oxo-glutarate-dependent dioxygenases. These enzymes play a critical role in collagen chain assembly, stability and cross-linking by catalyzing post-translational 3-hydroxylation of proline residues. Mutations in this gene are associated with nonsyndromic severe myopia with cataract and vitreoretinal degeneration, and downregulation of this gene may play a role in breast cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

Function:

Has prolyl 3-hydroxylase activity catalyzing the post-translational formation of 3-hydroxyproline in -Xaa-Pro-Gly-sequences in collagens, especially types IV and V.

Subcellular Location:

Endoplasmic reticulum. Golgi apparatus.

Tissue Specificity:

Expressed in heart, placenta, lung, liver, skeletal muscle and kidney. Expression localized to the epithelia of bile ducts and to the sarcolemma 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.

Similarity:

Belongs to the leprecan family.

Contains 1 Fe2OG dioxygenase domain.

Contains 4 TPR repeats.

SWISS:

Q8IVL5

Gene ID:

55214

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.