

Product datasheet for **CF505105**

LEPRE1 (P3H1) Mouse Monoclonal Antibody [Clone ID: OTI1B4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B4
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human LEPRE1(NP_071751) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83.2 kDa
Gene Name:	prolyl 3-hydroxylase 1
Database Link:	NP_071751 Entrez Gene 64175 Human Q32P28



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Background:

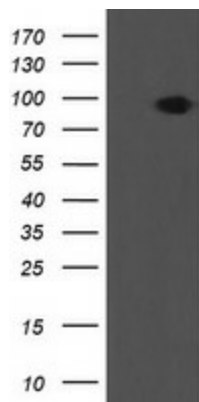
This gene encodes an enzyme that is a member of the collagen prolyl hydroxylase family. These enzymes are localized to the endoplasmic reticulum and their activity is required for proper collagen synthesis and assembly. Mutations in this gene are associated with osteogenesis imperfecta type VIII. Two alternatively spliced transcript variants encoding different isoforms have been described. Other variants may exist, but their biological validity has not been determined. [provided by RefSeq]

Synonyms:

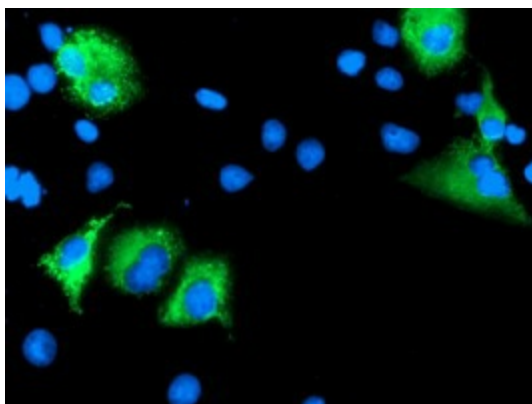
GROS1; LEPRE1; O18

Protein Families:

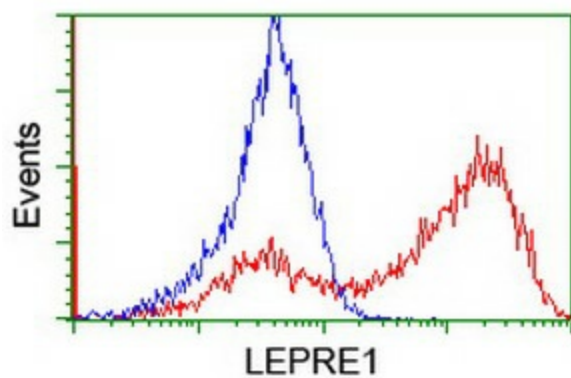
Secreted Protein

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LEPRE1 ([RC222535], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LEPRE1. Positive lysates [LY411682] (100ug) and [LC411682] (20ug) can be purchased separately from OriGene.



Anti-LEPRE1 mouse monoclonal antibody ([TA505105]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LEPRE1 ([RC222535]).



HEK293T cells transfected with either [RC222535] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LEPRE1 antibody ([TA505105]), and then analyzed by flow cytometry.