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Datasheet

LEPRE1 monoclonal antibody (M01), clone 3C7

Catalog Number: H00064175-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant LEPRE1.

Clone Name: 3C7

Immunogen: LEPRE1 (AAH15309, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
DPRVREVMNQNLAYYAAMLGEEHTRSIGPRESAKEYR QRSLLEKELLFFAYDVFGIPFVDPDSWTPEEVIPKRLQ EKQKSERETAVRISQEIGNLMKEIE

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 64175

Gene Symbol: LEPRE1

Gene Alias: GROS1, MGC117314, P3H1

Gene Summary: 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]

References:

1. Localization of collagen modifying enzymes on fibroblastic reticular cells and follicular dendritic cells in non-neoplastic and neoplastic lymphoid tissues. Ohe R, Aung NY, Meng H, Kabasawa T, Suto A, Tamazawa N, Yang S, Kato T, Yamakawa M. Leuk Lymphoma. 2015 Dec 24:1-10. [Epub ahead of print]
2. Proteomic dissection of the VHL interactome. Lai Y, Song M, Hakala K, Weintraub ST, Shiio Y. J Proteome Res. 2011 Oct 11.
3. Severe osteogenesis imperfecta in cyclophilin B-deficient mice. Choi JW, Sutor SL, Lindquist L, Evans GL, Madden BJ, Bergen HR 3rd, Hefferan TE, Yaszemski MJ, Bram RJ. PLoS Genet. 2009 Dec;5(12):e1000750. Epub 2009 Dec 4.