

Product Datasheet

LEPRE1 Antibody - Azide and BSA Free H00064175-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 11

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H00064175-B01P

LEPRE1 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	IgG purified
Buffer	PBS (pH 7.4)

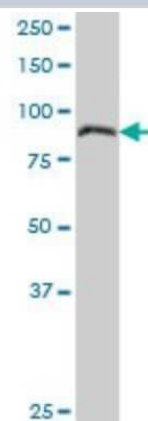
Product Description	
Description	Novus Biologicals Mouse LEPRE1 Antibody - Azide and BSA Free (H00064175-B01P) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-LEPRE1 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	64175
Gene Symbol	P3H1
Species	Human, Mouse
Specificity/Sensitivity	LEPRE1 - leucine proline-enriched proteoglycan (leprecan) 1,
Immunogen	LEPRE1 (AAH15309, 1 a.a. - 390 a.a.) full-length human protein. MLGEEHTRSIGPRESAKEYRQRSLLLEKELFFAYDVFVGIPFVDPDSWTPEEVIP KRLQEKQKSERETAVRISQEIGNLMKEIETLVEEKTKEKSLDVSRLTREGGPLLYE GISLTMNSKLLNGSQRVVMDGVIDHECQELQRLTNVAATSGDGYRGQTSPHT PNEKFYGVTVFKALKLGQEGKVPLQSAHLYYNVTEKVRRIEMESYFRLDTPLYFS YSHLVCRTAIEEVQAERKDDSHPVHVDNCILNAETLVCVKEPPAYTFRDYSAILY LNGDFDGGNFYFTELDAKTVTAEVQPQCGRVGFSSGTENPHGVKAVTRGQR CAIALWFTLDPRHSERDRVQADDLVKMLFSPEEMDLSQEQPLDAQQPPEPA QESLSGSESKPKDEL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	Antibody reactive against transfected lysate and tissue lysate for Western Blot.

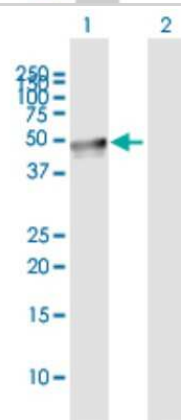


Images

Western Blot: LEPRE1 Antibody [H00064175-B01P] - Analysis of LEPRE1 expression in human placenta.



Western Blot: LEPRE1 Antibody [H00064175-B01P] - Analysis of LEPRE1 expression in transfected 293T cell line by LEPRE1 polyclonal antibody. Lane 1: LEPRE1 transfected lysate(42.9 KDa). Lane 2: Non-transfected lysate.



Publications

Besio R, Garibaldi N, Leoni L et al. Cellular stress due to impairment of collagen prolyl hydroxylation complex is rescued by the chaperone 4-phenylbutyrate *Dis Model Mech*. 2019-06-20 [PMID: 31171565]

Khan M, Zukowska J, Jung J et al. Dextromethorphan inhibits collagen transport in the endoplasmic reticulum eliciting an anti-fibrotic response *inex-vivo* and *in vitro* models of pulmonary fibrosis *bioRxiv* 2023-04-20 (ICC/IF, Human)

Huang Y, Mei L, Lv W et al. Targeted exome sequencing identifies novel compound heterozygous mutations in LEPRE1 in a fetus with osteogenesis imperfecta type VIII. *Clin Chim Acta* 2016-11-15 [PMID: 27864101]

Pyott SM, Schwarze U, Christiansen HE et al. Mutations in PPIB (cyclophilin B) delay type I procollagen chain association and result in perinatal lethal to moderate osteogenesis imperfecta phenotypes. *Hum Mol Genet*. 2011-02-13 [PMID: 21282188]

Amor IM, Rauch F, Gruenwald K et al. Severe osteogenesis imperfecta caused by a small in-frame deletion in CRTAP. *Am J Med Genet A*. 2011-09-30 [PMID: 21964860]

Takagi M, Ishii T, Barnes AM et al. A Novel Mutation in LEPRE1 That Eliminates Only the KDEL ER- Retrieval Sequence Causes Non-Lethal Osteogenesis Imperfecta. *PLoS One*. 2012-05-15 [PMID: 22615817]

Cabral WA, Perdivara I, Weis M et al. Abnormal type I collagen post-translational modification and crosslinking in a cyclophilin B KO mouse model of recessive osteogenesis imperfecta. *PLoS Genet*. 2014-06-26 [PMID: 24968150]

van Dijk FS, Nesbitt IM, Zwikstra EH et al. PPIB mutations cause severe osteogenesis imperfecta. *Am J Hum Genet* 2009-10-01 [PMID: 19781681]

Willaert A, Malfait F, Symoens S et al. Recessive Osteogenesis Imperfecta caused by LEPRE1 mutations: clinical documentation identification of the splice form responsible for prolyl 3-hydroxylation. *J Med Genet* 46(4):233-41. 2009-04-01 [PMID: 19088120]

Baldrige D, Lenington J, Weis M et al. Generalized connective tissue disease in *Crtap*^{-/-} mouse. *PLoS One* 5(5). 2010-05-11 [PMID: 20485499]

Chang W, Barnes AM, Cabral WA et al. Prolyl 3-hydroxylase 1 and CRTAP are mutually stabilizing in the endoplasmic reticulum collagen prolyl 3-hydroxylation complex. *Hum Mol Genet*;19(2):223-34. 2010-01-15 [PMID: 19846465]





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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97019-5mg	Mouse IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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