

# Product Datasheet

## LEPRE1 Antibody (3C7) - Azide and BSA Free H00064175-M01

Unit Size: 0.1 mg

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

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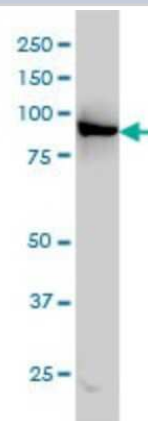
**H00064175-M01**

LEPRE1 Antibody (3C7) - Azide and BSA Free

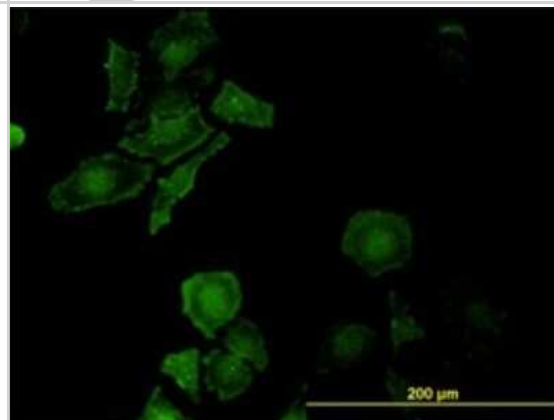
Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3C7
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Novus Biologicals Mouse LEPRE1 Antibody (3C7) - Azide and BSA Free (H00064175-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-LEPRE1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	64175
<b>Gene Symbol</b>	P3H1
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	LEPRE1 - leucine proline-enriched proteoglycan (leprecan) 1
<b>Immunogen</b>	LEPRE1 (AAH15309, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. DPRVREVMNQNLAYYAAMLGEEHTRSIGPRESAKEYRQRSLLLEKELLFFAYDV FGIPFVDPDSWTPEEVIPKRLQEKQKSERETAVRISQEIGNLMKEIE
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Sandwich ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
<b>Application Notes</b>	Antibody reactive against recominant protein, transfected lysate and cell lysate for Western Blot. Has also been used for immunofluoresence, immunohistochemistry (paraffin), and ELISA. Reactivity with Mouse species is reported in scientific literature (PMID 19997487)

## Images

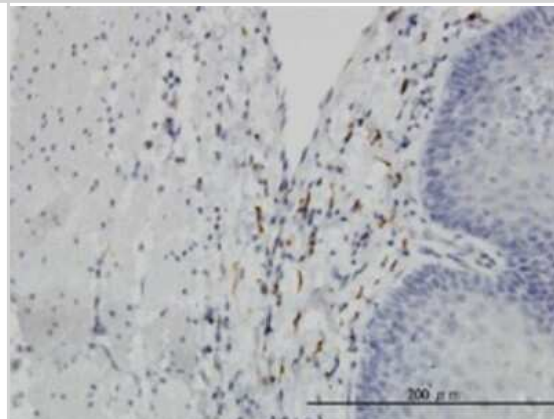
Western Blot: LEPRE1 Antibody (3C7) [H00064175-M01] - LEPRE1 monoclonal antibody (M01), clone 3C7 Analysis of LEPRE1 expression in HeLa.



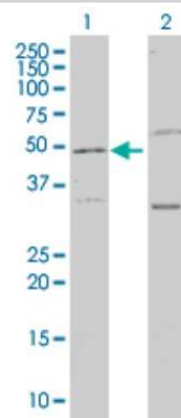
Immunocytochemistry/Immunofluorescence: LEPRE1 Antibody (3C7) [H00064175-M01] - Analysis of monoclonal antibody to LEPRE1 on HeLa cell. Antibody concentration 10 ug/ml.



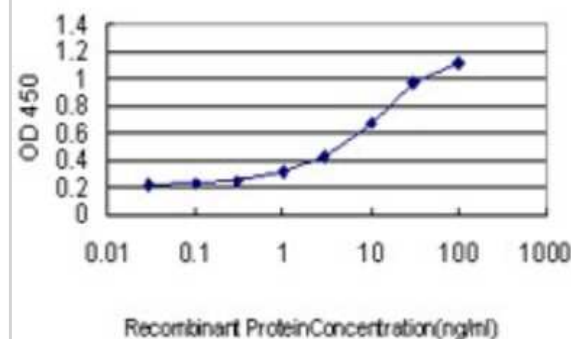
Immunohistochemistry-Paraffin: LEPRE1 Antibody (3C7) [H00064175-M01] - Analysis of monoclonal antibody to LEPRE1 on formalin-fixed paraffin-embedded human esophagus. Antibody concentration 6 ug/ml.



Western Blot: LEPRE1 Antibody (3C7) [H00064175-M01] - Analysis of LEPRE1 expression in transfected 293T cell line by LEPRE1 monoclonal antibody (M01), clone 3C7. Lane 1: LEPRE1 transfected lysate (46 KDa). Lane 2: Non-transfected lysate.



Sandwich ELISA: LEPRE1 Antibody (3C7) [H00064175-M01] - Detection limit for recombinant GST tagged LEPRE1 is approximately 0.3ng/ml as a capture antibody.



## Publications

Zimmerman SM, Besio R, Heard-Lipsmeyer ME et al. Expression characterization and functional implication of the collagen-modifying Leprecan proteins in mouse gonadal tissue and mature sperm. *AIMS Genet* 2018-02-07 [PMID: 30417103]

Ohe R, Aung NY, Meng H et al. Localization of collagen modifying enzymes on fibroblastic reticular cells and follicular dendritic cells in non-neoplastic and neoplastic lymphoid tissues. *Leuk Lymphoma* 2015-12-01 [PMID: 26700650]

Lai Y, Song M, Hakala K et al. Proteomic dissection of the VHL interactome. *J Proteome Res.* 2011-10-11 [PMID: 21942715]

Choi JW, Sutor SL, Lindquist L et al. Severe osteogenesis imperfecta in cyclophilin B-deficient mice. *PLoS Genet* 5 (12):e1000750. 2009-12-01 [PMID: 19997487]

Cabral WA, Chang W, Barnes AM et al. Prolyl 3-hydroxylase 1 deficiency causes a recessive metabolic bone disorder resembling lethal/severe osteogenesis imperfecta. *Nat Genet*;39(3):359-65. 2007-03-01 [PMID: 17277775]



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### **Products Related to H00064175-M01**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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### **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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