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LEPRE1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant LEPRE1.
Catalog # AT2696a

Specification

LEPRE1 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q32P28
Other Accession	BC015309
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**83394**

LEPRE1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 64175

Other Names
Prolyl 3-hydroxylase 1, Growth suppressor 1, Leucine- and proline-enriched proteoglycan 1, Leprecan-1, LEPRE1, GROS1, P3H1

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

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
LEPRE1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

LEPRE1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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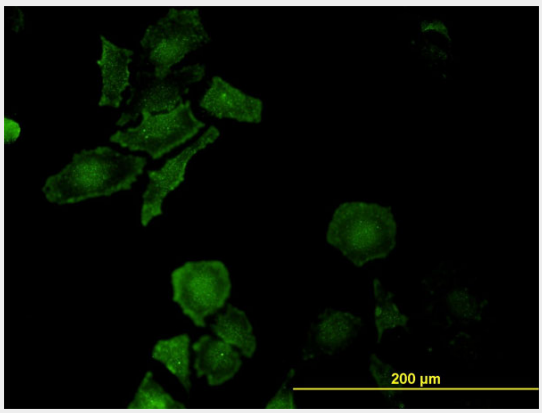
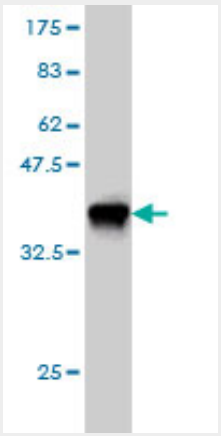
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

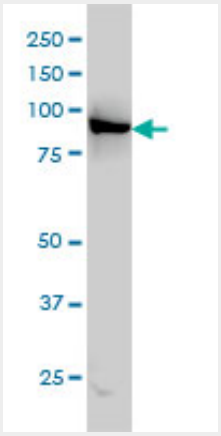
LEPRE1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to LEPRE1 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



LEPRE1 monoclonal antibody (M01), clone 3C7 Western Blot analysis of LEPRE1 expression in

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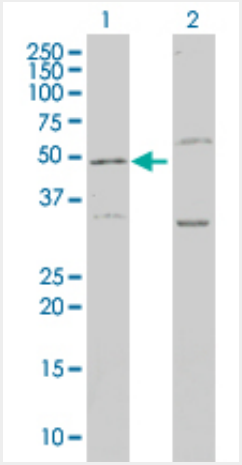
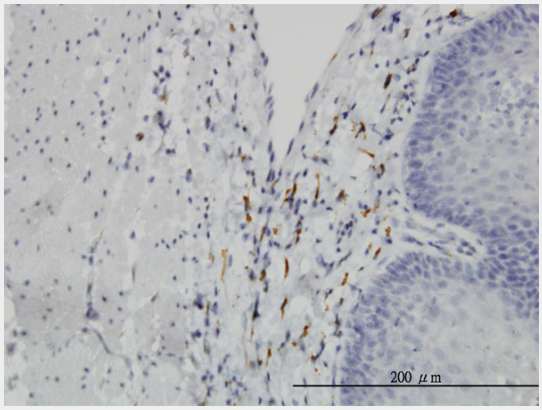
HeLa ((Cat # AT2696a)

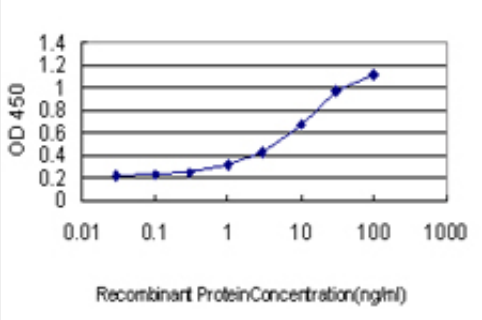


Western Blot analysis of LEPRE1 expression in transfected 293T cell line by LEPRE1 monoclonal antibody (M01), clone 3C7.

Lane 1: LEPRE1 transfected lysate(46 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to LEPRE1 on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 6 ug/ml]



Detection limit for recombinant GST tagged LEPRE1 is approximately 0.3ng/ml as a capture antibody.

LEPRE1 Antibody (monoclonal) (M01) - 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.

LEPRE1 Antibody (monoclonal) (M01) - References

1.Proteomic dissection of the VHL interactome.Lai Y, Song M, Hakala K, Weintraub ST, Shiio Y.J Proteome Res. 2011 Oct 11.2.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 4.3.Prolyl 3-hydroxylase 1 deficiency causes a recessive metabolic bone disorder resembling lethal/severe osteogenesis imperfecta.Cabral WA, Chang W, Barnes AM, Weis M, Scott MA, Leikin S, Makareeva E, Kuznetsova NV, Rosenbaum KN, Tifft CJ, Bulas DI, Kozma C, Smith PA, Eyre DR, Marini JC.Nat Genet. 2007 Mar;39(3):359-65. Epub 2007 Feb 4.