Datasheet for ABIN528557

anti-LEPRE1 antibody (AA 1-390)

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Overview

Quantity:	50 µg
Target:	LEPRE1
Binding Specificity:	AA 1-390
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This LEPRE1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Mouse polyclonal antibody raised against a full-length human LEPRE1 protein.
Immunogen:	LEPRE1 (AAH15309, 1 a.a. ~ 390 a.a) full-length human protein.
Sequence:	MLGEEHTRSI GPRESAKEYR QRSLLEKELL FFAYDVFGIP FVDPDSWTPE EVIPKRLQEK QKSERETAVR ISQEIGNLMK EIETLVEEKT KESLDVSRLT REGGPLLYEG ISLTMNSKLL NGSQRVVMDG VISDHECQEL QRLTNVAATS GDGYRGQTSP HTPNEKFYGV TVFKALKLGQ EGKVPLQSAH LYYNVTEKVR RIMESYFRLD TPLYFSYSHL VCRTAIEEVQ AERKDDSHPV HVDNCILNAE TLVCVKEPPA YTFRDYSAIL YLNGDFDGGN FYFTELDAKT VTAEVQPQCG RAVGFSSGTE NPHGVKAVTR GQRCAIALWF TLDPRHSERD RVQADDLVKM LFSPEEMDLS QEQPLDAQQG PPEPAQESLS GSESKPKDEL
Cross-Reactivity:	Human
Characteristics:	Antibody reactive against mammalian transfected lysate.

Target Details

Target:	LEPRE1
Alternative Name:	LEPRE1 (LEPRE1 Products)
Background:	Full Gene Name: leucine proline-enriched proteoglycan (leprecan) 1 Synonyms: GROS1,MGC117314,P3H1
Gene ID:	64175

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:

Huang, Mei, Lv, Li, Zhang, Pan, Tan, Guo, Luo, Chen, Liang, Wu: "Targeted exome sequencing identifies novel compound heterozygous mutations in P3H1 in a fetus with osteogenesis imperfecta type VIII." in: **Clinica chimica acta; international journal of clinical chemistry**, Vol. 464, pp. 170-175, (2016) (PubMed).

Cabral, Perdivara, Weis, Terajima, Blissett, Chang, Perosky, Makareeva, Mertz, Leikin, Tomer, Kozloff, Eyre, Yamauchi, Marini: "Abnormal type I collagen post-translational modification and crosslinking in a cyclophilin B KO mouse model of recessive osteogenesis imperfecta." in: **PLoS genetics**, Vol. 10, Issue 6, pp. e1004465, (2014) (PubMed).

Takagi, Ishii, Barnes, Weis, Amano, Tanaka, Fukuzawa, Nishimura, Eyre, Marini, Hasegawa: "A novel mutation in LEPRE1 that eliminates only the KDEL ER- retrieval sequence causes non-lethal osteogenesis imperfecta." in: **PLoS ONE**, Vol. 7, Issue 5, pp. e36809, (2012) (PubMed).

Pyott, Schwarze, Christiansen, Pepin, Leistritz, Dineen, Harris, Burton, Angle, Kim, Sussman,

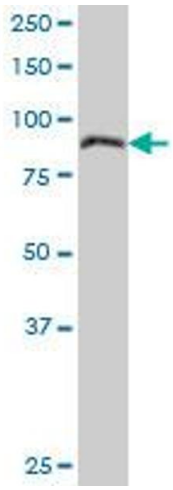
Publications

Weis, Eyre, Russell, McCarthy, Steiner, Byers: "Mutations in PPIB (cyclophilin B) delay type I procollagen chain association and result in perinatal lethal to moderate osteogenesis imperfecta phenotypes." in: **Human molecular genetics**, Vol. 20, Issue 8, pp. 1595-609, (2011) (PubMed).

Amor, Rauch, Gruenwald, Weis, Eyre, Roughley, Glorieux, Morello: "Severe osteogenesis imperfecta caused by a small in-frame deletion in CRTAP." in: **American journal of medical genetics. Part A**, Vol. 155A, Issue 11, pp. 2865-70, (2011) (PubMed).

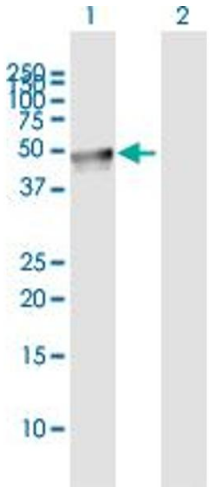
There are more publications referencing this product on: Product page

Images



Western Blotting

Image 1. LEPRE1 MaxPab polyclonal antibody. Western Blot analysis of LEPRE1 expression in human placenta.



Western Blotting

Image 2. Western Blot analysis of LEPRE1 expression in transfected 293T cell line by LEPRE1 MaxPab polyclonal antibody.

Lane 1: LEPRE1 transfected lysate(42.9 KDa).
Lane 2: Non-transfected lysate.