

### LEPRE1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20704c

### Specification

# LEPRE1 Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW WB,E <u>O32P28</u> <u>O9R1J8</u>, <u>O3V1T4</u> Human Mouse, Rat Rabbit Polyclonal Rabbit IgG 83394

# LEPRE1 Antibody (Center) - 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

This LEPRE1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 499-533 amino acids from the Central region of human LEPRE1.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

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

# LEPRE1 Antibody (Center) - Protein Information

Name P3H1 (<u>HGNC:19316</u>)



**Function** Basement membrane-associated chondroitin sulfate proteoglycan (CSPG). Has prolyl 3-hydroxylase activity catalyzing the post- translational formation of 3-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens, especially types IV and V. May be involved in the secretory pathway of cells. Has growth suppressive activity in fibroblasts.

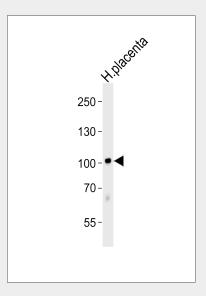
Cellular Location [Isoform 1]: Endoplasmic reticulum

# LEPRE1 Antibody (Center) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

# LEPRE1 Antibody (Center) - Images



Western blot analysis of lysate from human placenta tissue lysate, using LEPRE1 Antibody (Center)(Cat. #AP20704c). AP20704c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

# LEPRE1 Antibody (Center) - Background

Basement membrane-associated chondroitin sulfate proteoglycan (CSPG). Has prolyl 3-hydroxylase activity catalyzing the post-translational formation of 3-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens, especially types IV and V. May be involved in the secretory pathway of cells. Has growth suppressive activity in fibroblasts.

# LEPRE1 Antibody (Center) - References

Kaul S.C., et al. Oncogene 19:3576-3583(2000).



Ota T.,et al.Nat. Genet. 36:40-45(2004). Otsuki T.,et al.DNA Res. 12:117-126(2005). Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Cabral W.A.,et al.Nat. Genet. 39:359-365(2007).