

**LEPRE1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20704c**

**Specification**

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**LEPRE1 Antibody (Center) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O32P28</a>
Other Accession	<a href="#">O9R1J8</a> , <a href="#">O3V1T4</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>83394</b>

**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

**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 ([HGNC:19316](#))

**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

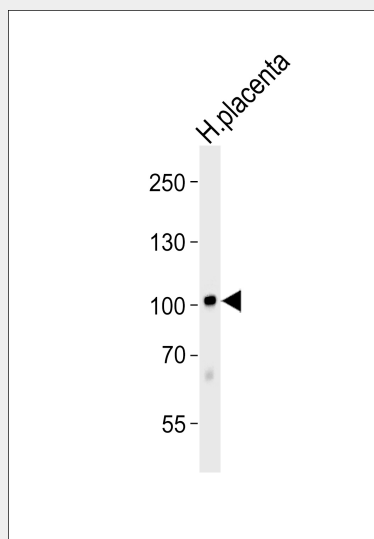
[Isoform 1]: Endoplasmic reticulum

### LEPRE1 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### 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).

Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Cabral W.A., et al. Nat. Genet. 39:359-365(2007).