

LEPREL2 Monoclonal antibody

Catalog Number: 68299-1-Ig

Basic Information

Catalog Number:

68299-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8850

GenBank Accession Number:

BC017217

GeneID (NCBI):

10536

UNIPROT ID:

Q8IVL6

Full Name:

leprecan-like 2

Calculated MW:

736 aa, 82 kDa

Observed MW:

82 kDa

Purification Method:

Protein G purification

CloneNo.:

1F6F3

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Rat, Mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat testis tissue, HeLa cells

IHC : mouse ovary tissue,

Background Information

P3H3 (prolyl 3-hydroxylase 3, also known as LEPREL2) is a member of the leprecan family of proteins, which also include P3H1, P3H2, CRTAP and SC56. Collagen prolyl hydroxylases are required for proper collagen biosynthesis, folding, and assembly. P3H3 is thought to reside in the endoplasmic reticulum and 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.

Storage

Storage:

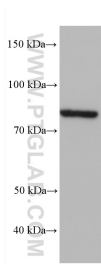
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

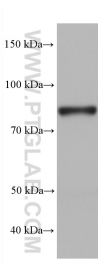
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

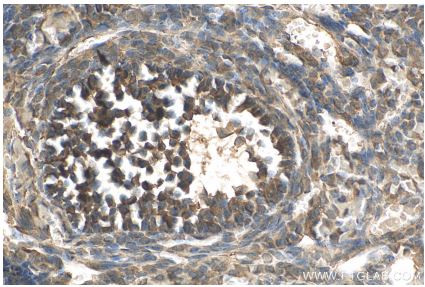
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 68299-1-Ig (LEPREL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



rat testis tissue were subjected to SDS PAGE followed by western blot with 68299-1-Ig (LEPREL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 68299-1-Ig (LEPREL2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).