

For Research Use Only

LRP5 Polyclonal antibody, PBS Only

Catalog Number: 24899-1-PBS



Basic Information

Catalog Number:

24899-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19034

GenBank Accession Number:

BC150595

GeneID (NCBI):

4041

UNIPROT ID:

O75197

Full Name:

low density lipoprotein receptor-related protein 5

Calculated MW:

1615 aa, 179 kDa

Observed MW:

180-200 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Low-density lipoprotein receptor-related protein 5 (LRP5) is a single-pass type I membrane protein with EGF-like and LDLR domains in the extracellular domain. LRP5 and LRP6 act as coreceptors with Frizzled for Wnt. The complex of Wnt-Fzd-LRP5-LRP6 triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalsomes. LRP5 plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in LRP5 gene.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

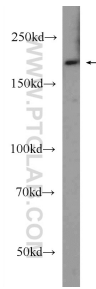
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

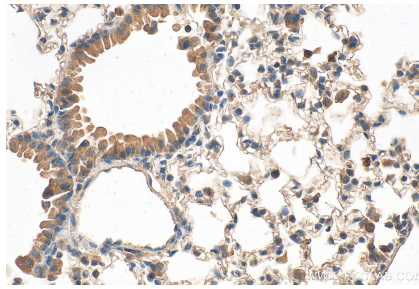
E: proteintech@ptglab.com
W: ptglab.com

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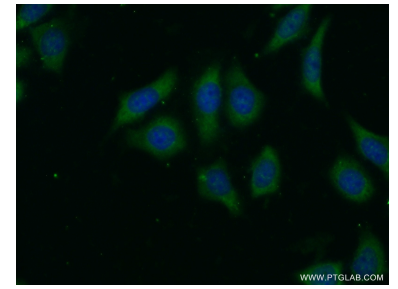
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 24899-1-AP (LRP5 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24899-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 24899-1-AP (LRP5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24899-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 24899-1-AP (LRP5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 24899-1-PBS in a different storage buffer formulation.