LRP5
Polyclonal ANTIBODY
Catalog Number: 24899-1-AP
1 Publications

Basic Information
Catalog Number: 24899-1-AP
Size: 31 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG19034

GenBank Accession Number: BC150595
GeneID (NCBI): 4041
Recommended Dilutions:
WB: 1:100-1:1000
IHC: 1:20-1:200
IF: 1:50-1:500

Full Name: low density lipoprotein receptor-related protein 5
Calculated MW: 1615aa, 179 kDa
Observed MW: 180-200 kDa

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Calculated MW: 1615aa, 179 kDa
Observed MW: 180-200 kDa

Applications
Tested Applications: IF, IHC, WB, ELISA
Cited Applications: IHC
Species Specificity: human
Cited Species: human

Recommended Dilutions:
WB: 1:100-1:1000
IHC: 1:20-1:200
IF: 1:50-1:500

Positive Controls:
WB: HeLa cells;
IHC: human liver cancer tissue; human hepatocirrhosis tissue;
IF: HeLa cells;

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 signalosomes. LRP5 plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in LRP5 gene.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Takafumi Yayama</td>
<td>29102319</td>
<td>J Orthop Sci</td>
<td>IHC</td>
</tr>
</tbody>
</table>

Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for storage at -20°C.

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
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.

Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 24899-1-AP (LRP5 Antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 24899-1-AP (LRP5 Antibody) at dilution of 1:50 (under 40x lens).

Immunofluorescent analysis of (-20° Ethanol) fixed HeLa cells using 24899-1-AP (LRP5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Anti-Rabbit IgG (H+L)