

LRP5 Rabbit pAb

Catalog No.: A0130 **4 Publications**

Basic Information

Catalog No.

A0130

Observed MW

180-200kDa

Calculated MW

179kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

This gene encodes a transmembrane low-density lipoprotein receptor that binds and internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and was originally cloned on the basis of its association with type 1 diabetes mellitus in humans. This protein plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in this gene. Mutations in this gene also cause familial exudative vitreoretinopathy. Alternative splicing results in multiple transcript variants.

Immunogen Information

Gene ID	Swiss Prot
4041	O75197

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1000-1250 of human LRP5 (NP_002326.2).

Synonyms

LRP5;BMND1;EVR1;EVR4;HBM;LR3;LRP-5;LRP7;OPPG;OPS;OPTA1;VBCH2

Product Information

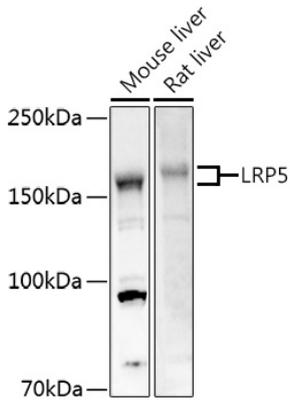
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

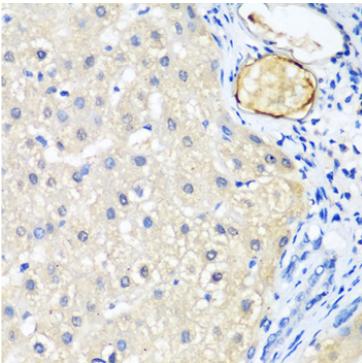
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

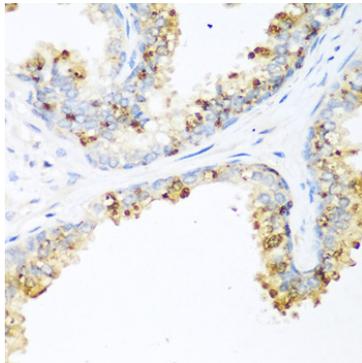
Validation Data



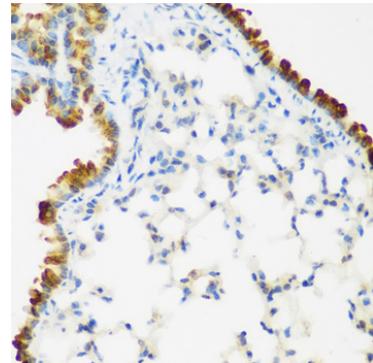
Western blot analysis of extracts of various cell lines, using LRP5 antibody (A0130) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



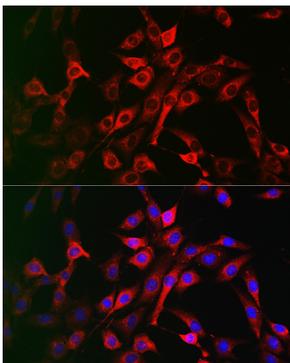
Immunohistochemistry of paraffin-embedded human liver using LRP5 antibody (A0130) at dilution of 1:200 (40x lens).



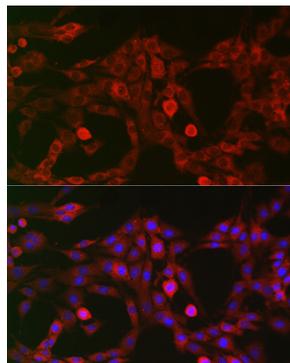
Immunohistochemistry of paraffin-embedded human prostate using LRP5 antibody (A0130) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using LRP5 antibody (A0130) at dilution of 1:200 (40x lens).



Immunofluorescence analysis of NIH/3T3 cells using LRP5 Rabbit pAb (A0130) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using LRP5 Rabbit pAb (A0130) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.