

For Research Use Only

LRP2-Specific Polyclonal antibody

Catalog Number: 19700-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number: 19700-1-AP	GenBank Accession Number: NM_004525	Purification Method: Antigen affinity purification
Size: 900 µg/ml	GeneID (NCBI): 4036	Recommended Dilutions: WB 1:500-1:3000 IHC 1:4000-1:16000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P98164	
Isotype: IgG	Full Name: low density lipoprotein-related protein 2	
	Calculated MW: 522 kDa	
	Observed MW: 280 kDa	

Applications

Tested Applications:
FC, IF-P, IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human

Cited Species:
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: HeLa cells, HEK-293 cells, human placenta tissue, human brain tissue

IHC: human kidney tissue,

IF: human kidney tissue,

Background Information

LRP2, also named as gp330 and Megalin, belongs to the LDLR family. It acts together with cubilin to mediate HDL endocytosis. LRP2 may participate in regulation of parathyroid-hormone and para-thyroid-hormone-related protein release. Defects in LRP2 are the cause of Donnai-Barrow syndrome (DBS). This antibody is specific to LRP2 and detects endogenous LRP2 with an apparent molecular weight 280 kDa, which is smaller than the predicted molecular weight (522 kDa) and probably represent a proteolytic fragment of the large glycoprotein (PMID: 16638803; 8483924).

Notable Publications

Author	Pubmed ID	Journal	Application
Yushi Uchida	34541900	Am J Physiol Renal Physiol	WB
Hitomi Otomo	33069809	Metabolism	IHC,IF
Junqiu He	32464235	Int J Pharm	IHC

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

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

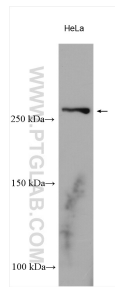
T: 4006900926

E: Proteintech-CN@ptglab.com

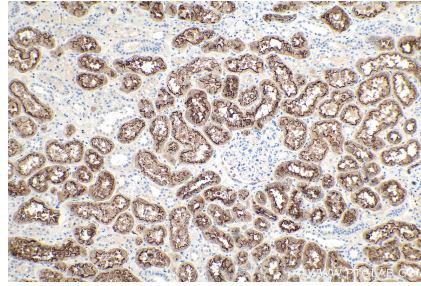
W: ptgcn.com

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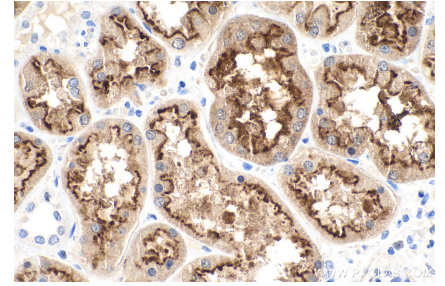
Selected Validation Data



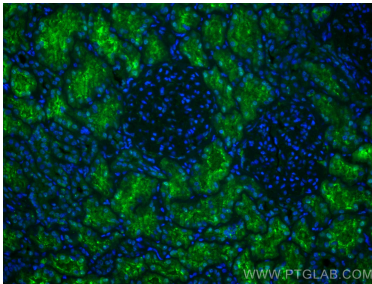
HeLa cells were subjected to SDS PAGE followed by western blot with 19700-1-AP (LRP2-Specific antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



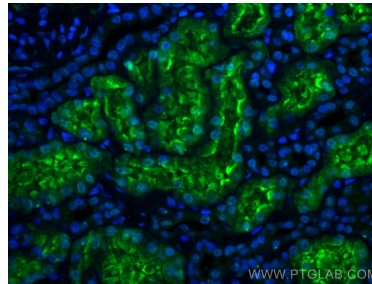
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 19700-1-AP (LRP2-Specific antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



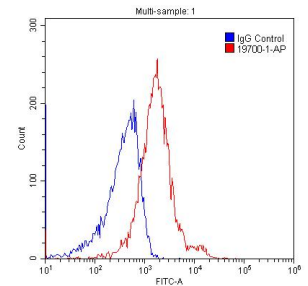
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 19700-1-AP (LRP2-Specific antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using LRP2-Specific antibody (19700-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using LRP2-Specific antibody (19700-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 HEK-293 cells were stained with 0.2ug LRP2-Specific antibody (19700-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.