For Research Use Only

VPS35 Polyclonal antibody

Catalog Number:10236-1-AP Featured Product 15 Publications

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Basic Information

Catalog Number:
10236-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0340

GenBank Accession Number:
BC002414

GeneID (NCBI):
55737

UNIPROT ID:
Q96QK1

Full Name:
vacuolar protein sorting 35 homolog (S. cerevisiae)

Calculated MW:
92 kDa

Observed MW:
80-92 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:5000-1:50000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:50-1:500
IF/ICC: 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, monkey

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 : HepG2 cells, A549 cells, HAP1 cells, HEK-293 cells, mouse kidney tissue, rat kidney tissue

IP : HEK-293 cells,

IHC : mouse kidney tissue,

IF/ICC : HepG2 cells,

Background Information

VPS35 protein belongs to a group of vacuolar protein sorting (VPS) proteins, which ensure the proper delivery of organelle-specific proteins in eukaryotic cells. VPS35 is the core of a multimeric complex, termed the retromer complex, which is involved in retrograde transport of proteins from endosomes to the trans-Golgi network. Vps35 serves as the core of the multimeric complex by binding directly to Vps26 and Vps29 and SNX1. Northern blot analyses in 16 tissues showed that one transcript of Vps35 with a size of 3.6 kb was highly expressed in brain, heart, testis, ovary, small intestine, spleen, skeletal muscle, and placenta and expressed at moderate or low levels in other tissues. Another transcript of Vps35, a message of 3.0 kb, was also expressed with proportionally lower levels than the 3.6-kb transcript in all the tissues except that the 3.0-kb transcript was not detected in brain. Human Vps35 is mapped at 16q13-q21.

Notable Publications

Author	Pubmed ID	Journal	Application
Nobuyuki Kimura	27179390	Am J Pathol	WB,IF
Jing Lu	33947971	Cell Death Differ	WB,IF,CoIP
Mingmin Yan	25745458	Neural Regen Res	WB,IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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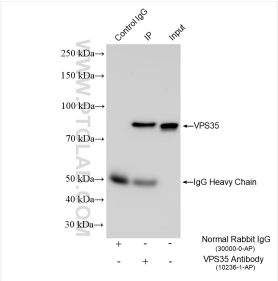
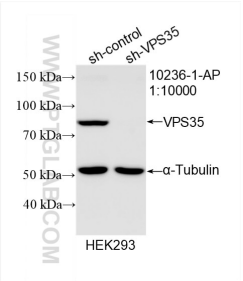
E: proteintech@ptglab.com
W: ptglab.com

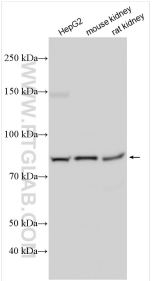
Selected Validation Data



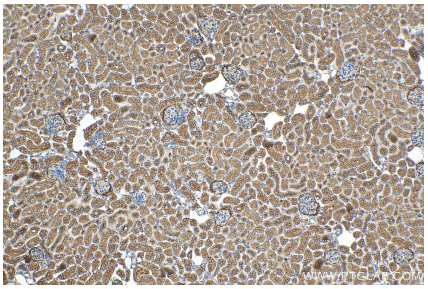
IP result of anti-VPS35 (IP:10236-1-AP, 4ug; Detection:10236-1-AP 1:2000) with HEK-293 cells lysate 1800 ug.



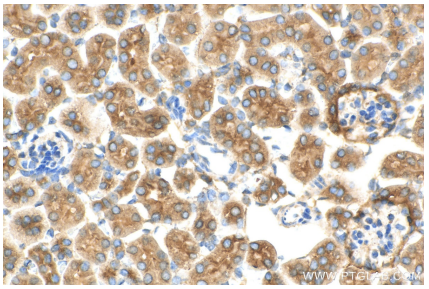
WB result of VPS35 antibody (10236-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPS35 transfected HEK-293 cells.



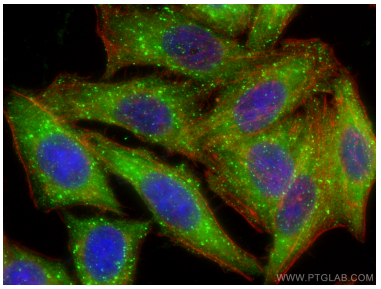
Various lysates were subjected to SDS PAGE followed by western blot with 10236-1-AP (VPS35 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10236-1-AP (VPS35 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10236-1-AP (VPS35 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using VPS35 antibody (10236-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).