

VPS35 Polyclonal antibody

Catalog Number: 10236-1-AP

Featured Product

9 Publications

Basic Information

Catalog Number:

10236-1-AP

Size:

500 µg/ml

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 µg for 1.0-3.0 mg of total
protein lysate

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, monkey

Positive Controls:

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

IP: mouse kidney tissue,

IF: 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, CoIP, IF
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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

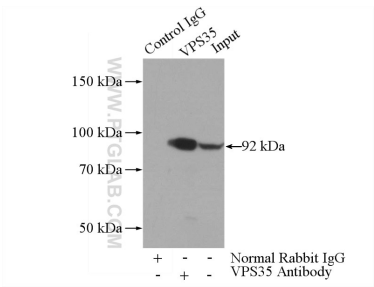
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

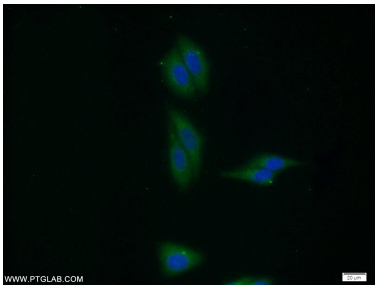
Selected Validation Data



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.



IP result of anti-VPS35 (IP:10236-1-AP, 4ug; Detection:10236-1-AP 1:600) with mouse kidney tissue lysate 4000ug.



Immunofluorescent analysis of HepG2 cells using 10236-1-AP (VPS35 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).