For Research Use Only

VPS25 Polyclonal antibody

Catalog Number:15669-1-AP Featured Product 11 Publications

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Basic Information

Catalog Number:
15669-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8134

GenBank Accession Number:
BC006282

GeneID (NCBI):
84313

UNIPROT ID:
Q9BRG1

Full Name:
vacuolar protein sorting 25 homolog (S. cerevisiae)

Calculated MW:
176 aa, 21 kDa

Observed MW:
21 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500
IF/ICC: 1:50-1:500

Applications

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

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, pig, canine, 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, HeLa cells, human brain tissue, mouse liver tissue, A549 cells, rat liver tissue, mouse brain tissue

IHC : human breast cancer tissue, mouse brain tissue, mouse liver tissue

IF/ICC : HepG2 cells,

Background Information

VPS25 is a component of the endosome-associated complex ESCRT-II (Endosomal Sorting Complexes Required for Transport protein II). ESCRT-II complex, composed of VPS25, VPS36, and SNF8, functions in sorting of ubiquitinated membrane proteins during endocytosis. ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. VPS25 is highly conserved. Human VPS25 gene maps to chromosome 17q21.31 and is expressed in a wide range of tissues (PMID: 16889659).

Notable Publications

Author	Pubmed ID	Journal	Application
Yoshinori Takahashi	31519728	J Cell Biol	WB
Zhihui Ruan	36274707	Front Microbiol	WB,IF
Eva P Karasmanis	31204162	Curr Biol	WB

Storage

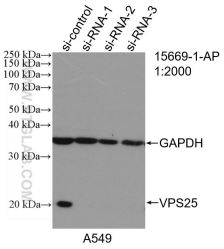
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

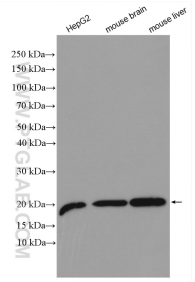
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

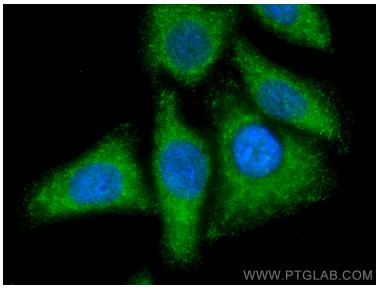
Selected Validation Data



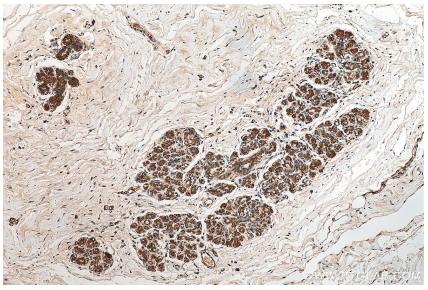
WB result of VPS25 antibody (15669-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPS25 transfected A549 cells.



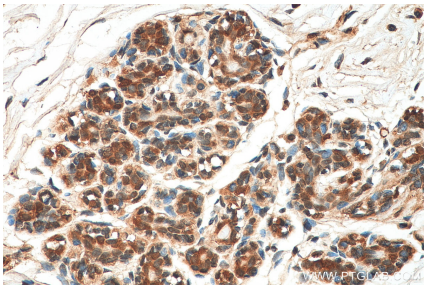
Various lysates were subjected to SDS PAGE followed by western blot with 15669-1-AP (VPS25 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using VPS25 antibody (15669-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15669-1-AP (VPS25 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 human breast cancer tissue slide using 15669-1-AP (VPS25 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).