

For Research Use Only

VIPAS39 Polyclonal antibody

Catalog Number: 20771-1-AP

3 Publications



Basic Information

Catalog Number:

20771-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14762

GenBank Accession Number:

BC015054

GeneID (NCBI):

63894

UNIPROT ID:

Q9H9C1

Full Name:

chromosome 14 open reading frame

133

Calculated MW:

493 aa, 57 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:200-1:800

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

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: HEK-293 cells, mouse brain tissue, human kidney tissue, HepG2 cells, L02 cells

IHC: mouse liver tissue,

IF/ICC: Hela cells, HEK-293 cells, HepG2 cells

Background Information

VIPAS39 (also known as C14orf133 or SPE-39) is a binding protein to Vps33B, one of the subunits in the mammalian HOPS complex. VIPAS39 may be involved in endosomal maturation or fusion (PMID: 23918659). Mutations in Vps33B and VIPAS39 cause arthrogryposis-renal dysfunction-cholestasis (ARC) syndrome, which is a rare autosomal recessive multisystem disorder associated with abnormalities in polarized liver and kidney cells (PMID: 20190753).

Notable Publications

Author	Pubmed ID	Journal	Application
Jachen A Solinger	31988382	Nat Cell Biol	WB
Ye Li	28815417	Virus Genes	WB
Johannes Naß	38359017	Adv Sci (Weinh)	WB

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

*** 20ul sizes contain 0.1% BSA

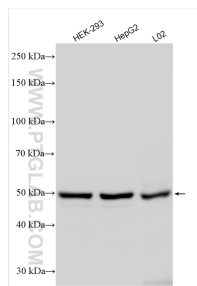
For technical support and original validation data for this product please contact:

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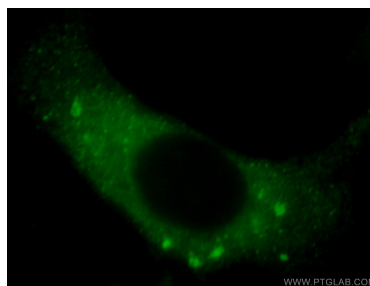
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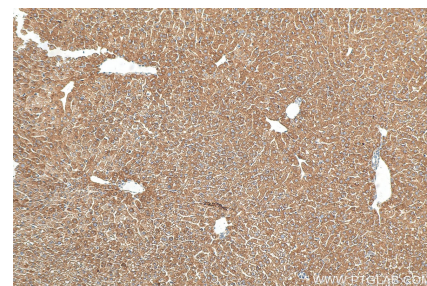
Selected Validation Data



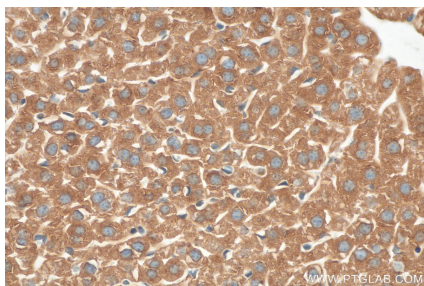
Various lysates were subjected to SDS PAGE followed by western blot with 20771-1-AP (VIPAS39 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells, using C14orf133 antibody 20771-1-AP at 1:25 dilution and FITC-labeled FITC-Donkey anti-Rabbit IgG (green).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 20771-1-AP (VIPAS39 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 20771-1-AP (VIPAS39 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).