

For Research Use Only

# VIPAS39 Polyclonal antibody

Catalog Number: 20771-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 20771-1-AP	<b>GenBank Accession Number:</b> BC015054	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 63894	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:200-1:800 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> chromosome 14 open reading frame 133	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 493 aa, 57 kDa	
<b>Immunogen Catalog Number:</b> AG14762	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, mouse brain tissue, human kidney tissue, HepG2 cells, LO2 cells
<b>Cited Applications:</b> WB	<b>IHC :</b> mouse liver tissue,
<b>Species Specificity:</b> human, mouse	<b>IF :</b> HeLa cells, HEK-293 cells, HepG2 cells
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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

## Storage

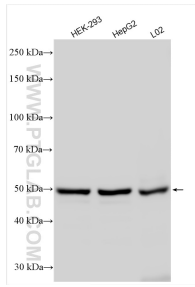
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

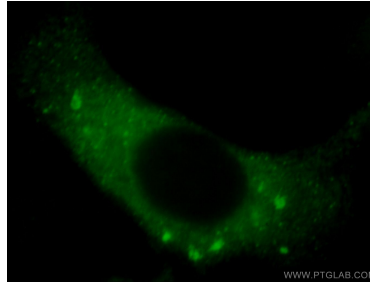
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

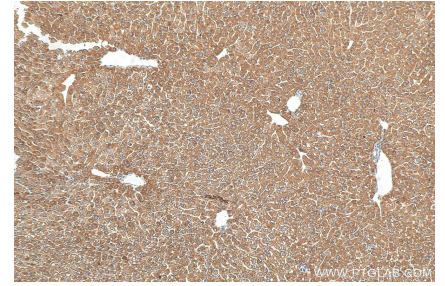
## Selected Validation Data



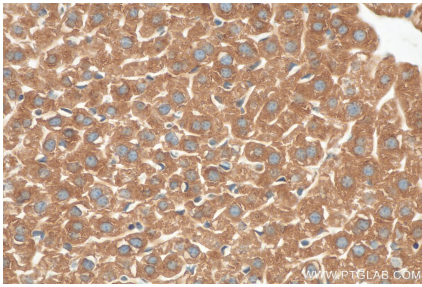
Various lysates were subjected to SDS PAGE followed by western blot with 20771-1-AP (VIPAS39 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).