

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-VTI1B



Numéro de catalogue: 14495-1-AP

Phare

3 Publications

## Informations de base

Numéro de catalogue:  
14495-1-AP

Taille:  
150ul, Concentration: 550 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG5906

Numéro d'acquisition GenBank:  
BC003142

Identification du gène (NCBI):  
10490

Nom complet:  
vesicle transport through interaction with t-SNAREs homolog 1B (yeast)

MW calculé

27 kDa

MW observés:

29 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:1000-1:4000  
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB  
IHC 1:50-1:500

## Applications

Applications testées:  
IHC, IP, WB, ELISA

Demandes citées:  
IF, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules HEK-293, cellules C6, cellules HeLa, cellules NIH/3T3, tissu hépatique humain

IP : cellules HeLa,

IHC : tissu de cancer du foie humain, tissu de mélanome malin humain

## Informations générales

Fusion between membranes is mediated by specific SNARE (soluble N-ethylmaleimide-sensitive factor attachment protein receptor) complexes. Two human SNARE proteins, VTI1A and VTI1B, are homologous to the yeast Q-SNARE Vti1p which is part of several SNARE complexes in different transport steps (PMID: 12067063). Both proteins had a distinct but overlapping localization. VTI1A is localized predominantly in the TGN, VTI1B in late endosomes (PMID:12067063; 21262811). VTI1B forms a SNARE complex with STX7, STX8 and VAMP8 which functions in the homotypic fusion of late endosomes. It is a component of the SNARE complex composed of STX7, STX8, VAMP7 and VIT1B that is required for heterotypic fusion of late endosomes with lysosomes. It has also been reported that VIT1B interacts with EpsinR, a protein involved in exocytic trafficking (PMID: 15371541).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Takashi Nozawa	27791468	Autophagy	WB
Amna Music	36111340	Front Cell Dev Biol	IF
Sandhya Ganesan	36728431	mBio	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

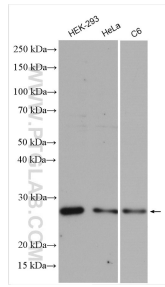
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

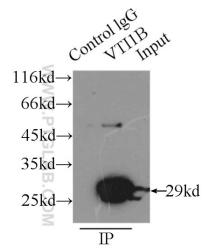
E: proteintech@ptglab.com  
W: ptglab.com

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

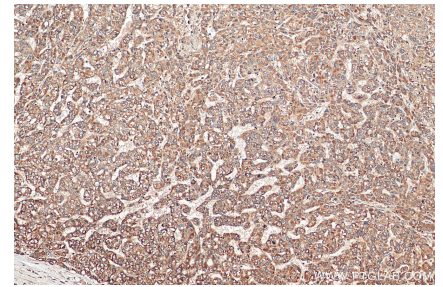
## Données de validation sélectionnées



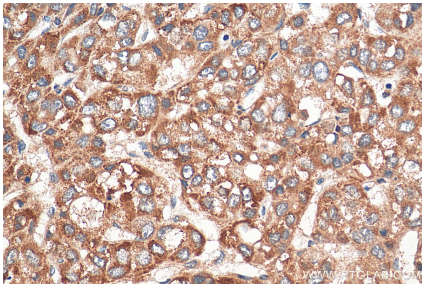
Various lysates were subjected to SDS PAGE followed by western blot with 14495-1-AP (VT1B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-VTI1B (IP:14495-1-AP, 3ug; Detection:14495-1-AP 1:1000) with HeLa cells lysate 2500ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14495-1-AP (VT1B 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 liver cancer tissue slide using 14495-1-AP (VT1B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).