

Nur für Forschungszwecke

VTI1B Polyklonaler Antikörper

Katalog-Nr.:14495-1-AP

Vorgestelltes Produkt

3 Publikationen



Allgemeine Informationen

Katalog-Nr.:
14495-1-AP

Größe:
150ul, Konzentration: 550 µg/ml von
Nanodrop und 327 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG5906

GenBank-Zugangsnummer:
BC003142

GeneID (NCBI):
10490

Vollständiger Name:
vesicle transport through interaction
with t-SNAREs homolog 1B (yeast)

Berechnete Masse:
27 kDa

Beobachtete Masse:
29 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:1000-1:4000
IP 0.5-4.0 µg für IP und 1:500-1:2000
für WB
IHC 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus

**Hinweis-IHC: Antigenmaskierung mit TE-
Puffer pH 9,0 empfohlen. (*) Wahlweise
kann die Antigenmaskierung auch mit
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: HEK-293-Zellen, C6-Zellen, HeLa-Zellen, humanes
Lebergewebe, NIH/3T3-Zellen

IP: HeLa-Zellen,

IHC: humanes Leberkarzinomgewebe, humanes
malignes Melanomgewebe

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

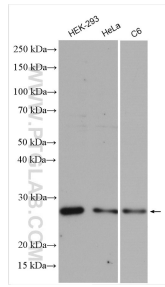
For technical support and original validation data for this product please contact:

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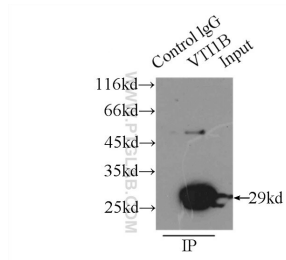
E: proteintech@ptglab.com
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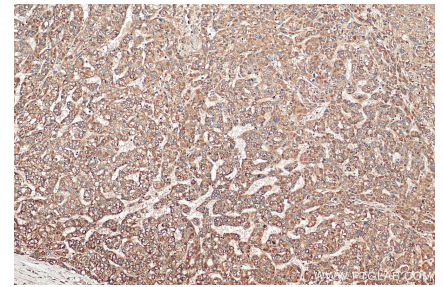
Ausgewählte Validierungsdaten



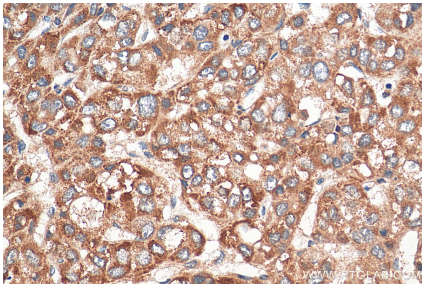
Various lysates were subjected to SDS PAGE followed by western blot with 14495-1-AP (VT1B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-VT1B (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).