

Rabbit VTI1B Polyclonal Antibody | anti-VTI1B antibody

VTI1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325252	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

VTI1B; Polyclonal Antibody; VTI1B Antibody; HGNC:17793; V SNARE; v-SNARE; Vesicle associated soluble NSF attachment protein receptor; Vesicle transport through interaction with t SNAREs 1B; Vesicle transport through interaction with t SNAREs homolog 1B (yeast); Vesicle transport through interaction with t-SNAREs homolog 1B; Vesicle transport v-SNARE protein Vti1-like 1; VTI1; VTI1 like; Vti1 rp1; VTI1-LIKE; Vti1-rp1; VTI1B_HUMAN; VTI1L; VTI1L1; VTI2; anti-VTI1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	VTI1B antibody detects endogenous levels of total VTI1B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	232
Applicable Applications for anti-VTI1B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endomembrane System. Cytoplasmic Granule.
Tissue Specificity	Expressed in all tissues examined.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (91%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325252 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using VTI1B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-VTI1B antibody	Function: V-SNARE that mediates vesicle transport pathways through interactions with t-SNAREs on the target membrane. These interactions are proposed to mediate aspects of the specificity of vesicle trafficking and to promote fusion of the lipid bilayers. May be concerned with increased secretion of cytokines associated with cellular senescence. Subunit Structure: Forms a SNARE complex with STX7, STX8 and VAMP8 which functions in the homotypic fusion of late endosomes. Component of the SNARE complex composed of STX7, STX8, VAMP7 and VIT1B that is required for heterotypic fusion of late endosomes with lysosomes (By similarity). May interact with STX17 (PubMed:23217709). Interacts with CLINT1 (PubMed:18033301). Similarity: Belongs to the VTI1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5454166
NCBI GeneID	10490
NCBI Accession #	NP_006361.1
NCBI GenBank Nucleotide #	NM_006370.2
UniProt Accession #	Q9UEU0; O43547; Q96J28
Molecular Weight	Observed: 27 kD Predicted: 27 kDa
NCBI Official Full Name	vesicle transport through interaction with t-SNAREs homolog 1B
NCBI Official Synonym Full Names	vesicle transport through interaction with t-SNAREs 1B
NCBI Official Symbol	VTI1B
NCBI Official Synonym Symbols	VTI1; VTI2; VTI1L; v-SNARE; vti1-rp1; VTI1-LIKE
NCBI Protein Information	vesicle transport through interaction with t-SNAREs homolog 1B
UniProt Protein Name	Vesicle transport through interaction with t-SNAREs homolog 1B
UniProt Gene Name	VTI1B
UniProt Synonym Gene Names	VTI1; VTI1L; VTI1L1; VTI2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.