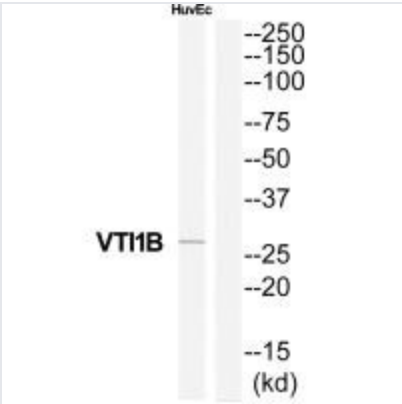
VTI1B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VTI1B, Polyclonal Antibody
Full Product Name	VTI1B Antibody
Product Gene Name	anti-VTI1B antibody
Product Synonym Names	v-SNARE; Vesicle Transport through interaction with t-SNAREs homolog 1B; vesicle Transport through interaction with t-SNAREs homolog 1B (yeast); Vesicle Transport v-SNARE protein Vti1-like 1; vesicle-associated soluble NSF attachment protein receptor
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	26,688 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (68117866..68141602, complement). Location: 14q24.1
OMIM	603207
3D Structure	ModBase 3D Structure for Q9UEU0
Immunogen	Synthesized peptide derived from N-terminal of human VTI1B.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-VTI1B antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-VTI1B antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-VTI1B antibody	WB: 1:500-1:3000
Related Product Information for anti-VTI1B antibody	MBS7131702 is an antibody targeting VTI1B. Also known as VTI1B Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-VTI1B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-VTI1B antibody
Western blot analysis of extracts from HuvEc cells, using VTI1B antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VTI1B. It may not necessarily be applicable to this product.

NCBI GI #	5454166
NCBI GeneID	10490
NCBI Accession #	NP_006361.1
UniProt Primary Accession #	Q9UEU0
UniProt Secondary Accession #	O43547; Q96J28
UniProt Related Accession #	Q9UEU0
GenBank Nucleotide #	NM_006370.2
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
UniProt Protein Name	Vesicle transport through interaction with t-SNAREs homolog 1B
UniProt Synonym Protein Names	Vesicle transport v-SNARE protein Vti1-like 1; Vti1-rp1
Protein Family	Vesicle transport through interaction with t-SNAREs
UniProt Gene Name	VTI1B
UniProt Synonym Gene Names	VTI1; VTI1L; VTI1L1; VTI2
UniProt Entry Name	VTI1B_HUMAN
NCBI Protein Information	vesicle transport through interaction with t-SNAREs homolog 1B; vesicle transport v-SNARE protein Vti1-like 1; vesicle-associated soluble NSF attachment protein receptor

UniProt Comments for VTI1B	VTI1B: 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. Belongs to the VTI1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle; Membrane protein, integral Chromosomal Location of Human Ortholog: 14q24.1 Cellular Component: SNARE complex; Golgi apparatus; endoplasmic reticulum membrane; recycling endosome; synaptic vesicle; cell soma; intracellular membrane-bound organelle; late endosome membrane; lysosomal membrane; perinuclear region of cytoplasm; cytoplasm; integral to membrane; vesicle Molecular Function: SNAP receptor activity; SNARE binding; chloride channel inhibitor activity Biological Process: vesicle-mediated transport; cell proliferation; intra-Golgi vesicle-mediated transport; ER to Golgi vesicle-mediated transport; autophagic vacuole fusion; Golgi to vacuole transport; vesicle fusion with Golgi apparatus; protein targeting to vacuole; retrograde transport, endosome to Golgi; vesicle docking during exocytosis
Research Articles on VTI1B	**1.** Vti1b-dependent tethering of Lytic granule and CD3-endo determines accumulation, docking, and efficient lytic granule secretion at the immunological synapse.
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