

## Immunotag™ v-SNARE Vti1a Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4894
Product Description	Immunotag™ v-SNARE Vti1a Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	v-SNARE Vti1a
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from v-SNARE Vti1a, at AA range: 1-80
Specificity	v-SNARE Vti1a Polyclonal Antibody detects endogenous levels of v-SNARE Vti1a protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	VTI1A
Accession No.	Q96AJ9 O89116 Q9JI51
Alternate Names	VTI1A; Vesicle transport through interaction with t-SNAREs homolog 1A; Vesicle transport v-SNARE protein Vti1-like 2; Vti1-rp2

## Antibody Specification

Description	vesicle transport through interaction with t-SNAREs 1A(VTI1A) Homo sapiens The protein encoded by this gene is a member of the family of soluble N-ethylmaleimide-sensitive fusion protein-attachment protein receptors (SNAREs) that function in intracellular trafficking. This family member is involved in vesicular transport between endosomes and the trans-Golgi network. It is a vesicle-associated SNARE (v-SNARE) that interacts with target membrane SNAREs (t-SNAREs). Polymorphisms in this gene have been associated with binocular function, and also with susceptibility to colorectal and lung cancers. A recurrent rearrangement has been found between this gene and the transcription factor 7-like 2 (TCF7L2) gene in colorectal cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],
Cell Pathway/ Category	SNARE interactions in vesicular transport,
Protein Expression	Lung,
Subcellular Localization	Golgi membrane,endosome,autophagosome,endoplasmic reticulum membrane,Golgi apparatus,cytosol,synaptic vesicle,ER to Golgi transport vesicle membrane,integral component of membrane,clathrin-coated vesicle,SNA
Protein Function	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.,similarity:Belongs to the VTI1 family.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.