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VTI1B Rabbit pAb

Catalog # AP97786

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UEU0
Other Accession	Q9UEU0
Reactivity	Rat, Human, Mouse
Predicted	Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26688
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VTI1B
Epitope Specificity	111-210/323
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the VTI1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	10490
Other Names	VTI1; VTI1-LIKE; VTI1L; VTI2; v-SNARE; vti1-rp1; GES30; MVti1b; SNARE; VTI1B_BOVIN; VTI1B; VTI1B_HUMAN; Vesicle transport v-SNARE protein Vti1-like 1; VTI1L1; VTI1B_MOUSE; VTI1B_RAT; vesicle transport through interaction with t-SNAREs 1B; vesicle transport through interaction with t-SNAREs homolog 1B (yeast)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	VTI1B (HGNC:17793)
Function	SNAREs (soluble N-ethylmaleimide-sensitive factor-attachment protein receptors) are essential proteins for intracellular membrane fusion. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four-helix bundle whose assembly releases energy that

	drives membrane fusion. The core SNARE complex typically consists of four alpha-helical domains, three from target membrane SNAREs (t-SNAREs) and one from a vesicle SNARE (v- SNARE) (PubMed:21388490, PubMed:23217709). On late endosomes, regulates trafficking from late endosomes to the lysosome (Probable).
Cellular Location	Early endosome membrane; Single-pass type IV membrane protein. Late endosome membrane; Single-pass type IV membrane protein. Lysosome membrane Cytoplasmic granule. Recycling endosome membrane; Single-pass type IV membrane protein
Tissue Location	Expressed in all tissues examined.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.