

Datasheet for ABIN6992163
anti-VTI1B antibody (AA 150-200)



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Overview

Quantity:	0.1 mg
Target:	VTI1B
Binding Specificity:	AA 150-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VTI1B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	VTI1b antibody was raised against a 17 amino acid peptide near the center of human VTI1b. The immunogen is located within amino acids 150 - 200 of VTI1b.
Isotype:	IgG
Specificity:	VTI1b antibody is human, mouse and rat reactive. At least three isoforms of VTI1a are known to exist, this antibody will detect all three isoforms. VTI1b antibody is predicted to not cross-react with VTI1a.
Purification:	VTI1b antibody is affinity chromatography purified via peptide column.

Target Details

Target:	VTI1B
Alternative Name:	VTI1b (VTI1B Products)

Target Details

Background:	Vesicle transport through interaction with t-SNAREs homolog 1 (VTI1a and VTI1b) are involved in vesicular transport from the late endosomes to the trans-Golgi network (1). They are both localized in the trans-Golgi network, with VTI1a also found in the Golgi apparatus and VTI1b in endosomes (2,3). It is thought that VTI1b along with the SNARE protein VAMP8 mediates the fusion of antimicrobial and canonical autophagosomes with lysosomes, an essential process for autophagy (4).
Molecular Weight:	Predicted: 14, 19, 26 kDa Observed: 27 kDa
Gene ID:	10490
NCBI Accession:	NP_006361
UniProt:	Q9UEU0

Application Details

Application Notes:	VTI1b antibody can be used for detection of VTI1b by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	VTI1b antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	VTI1b antibody can be stored at 4°C for three months and -20°C, stable for up to one year.