

## **Goat Anti-VTI1B Antibody**

Peptide-affinity purified goat antibody Catalog # AF2156a

### **Specification**

## **Goat Anti-VTI1B Antibody - Product Information**

Application WB, E
Primary Accession Q9UEU0

Other Accession <u>NP\_006361</u>, <u>10490</u>, <u>53612 (mouse)</u>

Reactivity Human

Predicted Mouse, Rat, Dog

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG Calculated MW 26688

# **Goat Anti-VTI1B Antibody - Additional Information**

### **Gene ID 10490**

## **Other Names**

Vesicle transport through interaction with t-SNAREs homolog 1B, Vesicle transport v-SNARE protein Vti1-like 1, Vti1-rp1, VTI1B, VTI1, VTI1L1, VTI1L1, VTI2

#### **Dilution**

WB~~1:1000

E~~N/A

## **Format**

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Goat Anti-VTI1B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **Goat Anti-VTI1B Antibody - Protein Information**

# Name VTI1B

Synonyms VTI1, VTI1L, VTI1L1, VTI2



#### **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.

#### **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**

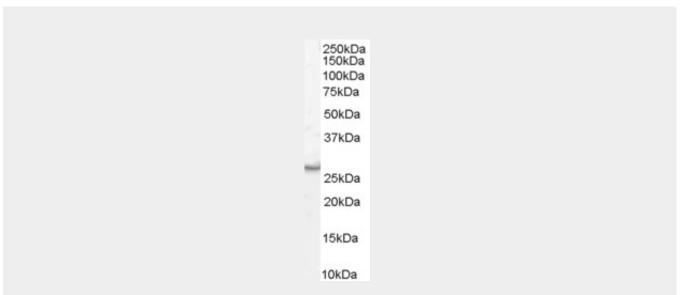
Expressed in all tissues examined.

### **Goat Anti-VTI1B Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Goat Anti-VTI1B Antibody - Images



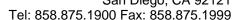
AF2156a (1  $\mu$ g/ml) staining of Human Duodenum lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **Goat Anti-VTI1B Antibody - References**

Combinational soluble N-ethylmaleimide-sensitive factor attachment protein receptor proteins VAMP8 and Vti1b mediate fusion of antimicrobial and canonical autophagosomes with lysosomes. Furuta N, et al. Mol Biol Cell, 2010 Mar. PMID 20089838.

Endosomal SNARE proteins regulate CFTR activity and trafficking in epithelial cells. Bilan F, et al. Exp Cell Res, 2008 Jul 1. PMID 18570918.







Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.

A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.