

# [KO Validated] VAT1 Rabbit pAb

Catalog No.: A17077 **KO** Validated

## Basic Information

### Observed MW

42kDa

### Calculated MW

42kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

Synaptic vesicles are responsible for regulating the storage and release of neurotransmitters in the nerve terminal. The protein encoded by this gene is an abundant integral membrane protein of cholinergic synaptic vesicles and is thought to be involved in vesicular transport. It belongs to the quinone oxidoreductase subfamily of zinc-containing alcohol dehydrogenase proteins.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:200

## Immunogen Information

### Gene ID

10493

### Swiss Prot

Q99536

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human VAT1 (NP\_006364.2).

### Synonyms

VATI; T1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

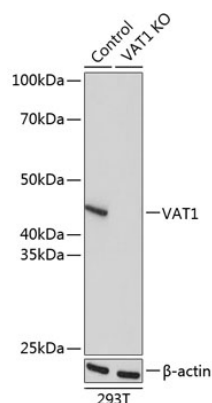
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and VAT1 knockout (KO) 293T cells, using [KO Validated] VAT1 Rabbit pAb (A17077) at 1:1000 dilution.

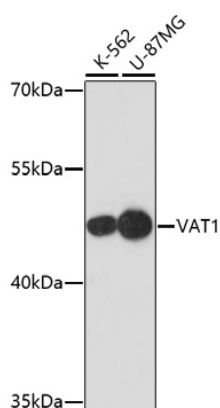
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates using [KO Validated] VAT1 Rabbit pAb (A17077) at 1:1000 dilution.

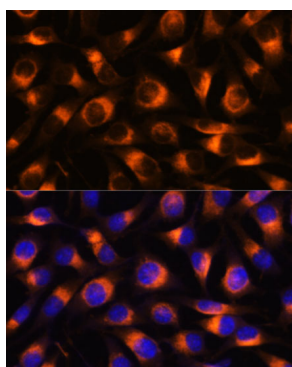
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5min.



Immunofluorescence analysis of L929 cells using [KO Validated] VAT1 Rabbit pAb (A17077) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.