

Datasheet for ABIN5647663  
**anti-SLC18A3 antibody (AA 1-36)**



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1 Image

## Overview

|                      |                       |
|----------------------|-----------------------|
| Quantity:            | 100 µg                |
| Target:              | SLC18A3               |
| Binding Specificity: | AA 1-36               |
| Reactivity:          | Human, Mouse          |
| Host:                | Rabbit                |
| Clonality:           | Polyclonal            |
| Application:         | Western Blotting (WB) |

## Product Details

|               |                                                                                                                 |
|---------------|-----------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Amino acids 1-36 (MESAEPAGQARAAATKLSEAVGAALQEPRRQRLVL-human) were used as the immunogen for the VAcHT antibody. |
| Isotype:      | IgG                                                                                                             |
| Purification: | Antigen affinity purified                                                                                       |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | SLC18A3                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | VAcHT / Vesicular acetylcholine transporter ( <a href="#">SLC18A3 Products</a> )                                                                                                                                                                                                                                                                                                       |
| Background:       | The Vesicular acetylcholine transporter (VAcHT), also known as SLC18A3, is a neurotransmitter transporter which is responsible for loading acetylcholine (ACh) into secretory organelles in neurons making acetylcholine available for secretion. It is encoded by Solute carrier family 18, member 3 (SLC18A3) gene. This gene is a member of the vesicular amine transporter family. |

## Target Details

The encoded transmembrane protein transports acetylcholine into secretory vesicles for release into the extracellular space. Acetylcholine transport utilizes a proton gradient established by a vacuolar ATPase. This gene is located within the first intron of the choline acetyltransferase gene.

UniProt: [Q16572](#)

## Application Details

Application Notes: Optimal dilution of the VACHT antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

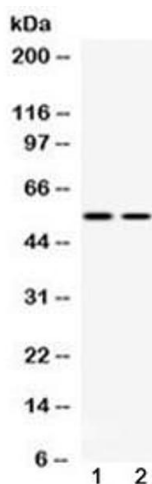
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the VACHT antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Western blot testing of 1) human HeLa and 2) mouse HEPA cell lysate with VACHT antibody at 0.5ug/ml. Predicted molecular weight ~57 kDa.