

Datasheet for ABIN533799  
**anti-VAMP3 antibody (AA 1-77)**[Go to Product page](#)

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | VAMP3   |
| Binding Specificity: | AA 1-77   |
| Reactivity:          | Human   |
| Host:                | Mouse   |
| Clonality:           | Monoclonal  |
| Conjugate:           | This VAMP3 antibody is un-conjugated                |
| Application:         | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

|                   |   |
|-------------------|---|
| Purpose:          | Mouse monoclonal antibody raised against partial recombinant VAMP3.   |
| Immunogen:        | Recombinant protein corresponding to amino acids 1-77 of human VAMP3. |
| Clone:            | AT4G9   |
| Isotype:          | IgG2b   |
| Cross-Reactivity: | Human, Mouse  |
| Characteristics:  | Antibody Reactive Against Recombinant Protein.                        |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | VAMP3   |
| Alternative Name: | VAMP-3 / Synaptobrevin-3 ( <a href="#">VAMP3 Products</a> ) |

## Target Details

Gene ID: 9341

## Application Details

Application Notes: ELISA  
Flow cytometry  
Western Blot  
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: In PBS, pH 7.4 (10 % glycerol, 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.

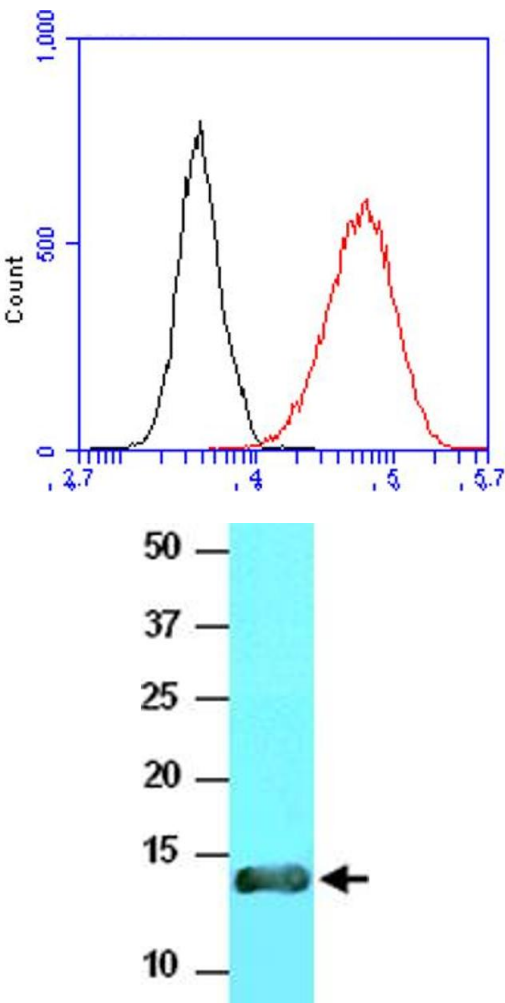
Storage: -20 °C, -80 °C

Storage Comment: Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

## Publications

Product cited in: Proux-Gillardeaux, Gavard, Irinopoulou, Mège, Galli: "Tetanus neurotoxin-mediated cleavage of cellubrevin impairs epithelial cell migration and integrin-dependent cell adhesion." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 102, Issue 18, pp. 6362-7, (2005) ([PubMed](#)).

Randhawa, Bilan, Khayat, Daneman, Liu, Ramlal, Volchuk, Peng, Coppola, Regazzi, Trimble, Klip: "VAMP2, but not VAMP3/cellubrevin, mediates insulin-dependent incorporation of GLUT4 into the plasma membrane of L6 myoblasts." in: **Molecular biology of the cell**, Vol. 11, Issue 7, pp. 2403-17, (2000) ([PubMed](#)).



Flow Cytometry

**Image 1.** Flow cytometric analysis of HeLa cell line with VAMP3 monoclonal antibody, clone AT4G9 staining at 2-5 ug for  $1 \times 10^6$  cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

SDS-PAGE

**Image 2.** The extract of mouse lung tissue (40 ug) was resolved by SDS-PAGE and probed with VAMP3 monoclonal antibody, clone AT4G9 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.