# Data Sheet (Cat.No.TMAC-00812)

## Anti-VAMP3 Antibody (5C283)

### Product Details

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| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat |
| Conjugation: | Unconjugated |
| Molecular Weight: | Theoretical: 11 kDa. |
| Clone: | 5C283 |
| Purification: | ProA affinity purified |

### Applications

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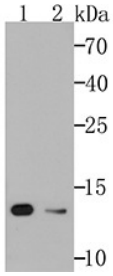
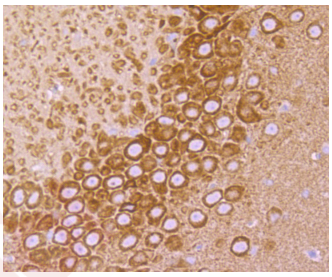
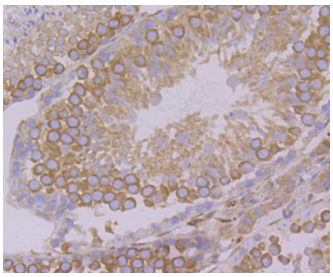
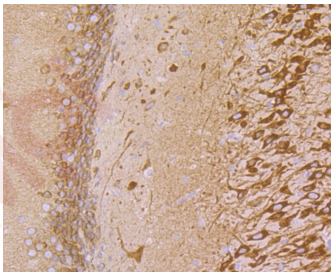
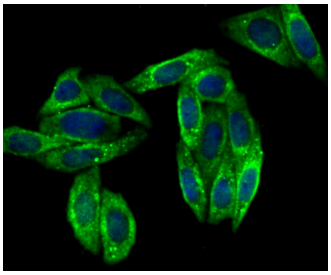
| Verified Activity: | 1. Western blot analysis of Cellubrevin on A549 (1), 293T(2) cell lysates using anti-Cellubrevin antibody at 1/1,000 dilution.<br>2. Immunohistochemical analysis of paraffin-embedded rat hippocampus tissue using anti-Cellubrevin antibody. Counter stained with hematoxylin.<br>3. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Cellubrevin antibody. Counter stained with hematoxylin.<br>4. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Cellubrevin antibody. Counter stained with hematoxylin.<br>5. ICC staining Cellubrevin in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.<br>6. ICC staining Cellubrevin in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.<br>7. Flow cytometric analysis of Siha cells with Cellubrevin antibody at 1/100 dilution (yellow) compared with an unlabelled control (cells without incubation with primary antibody; purple). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody. |

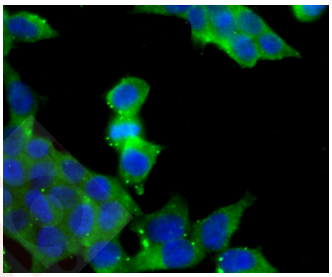


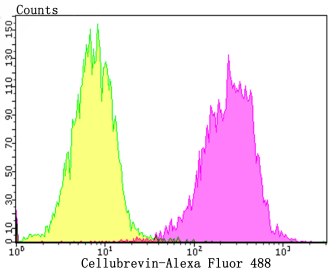














Application: FCM,ICC,IF,IHC,WB

Recommended: WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

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| Immunogen: | KLH conjugated synthetic peptide: within N-terminal human Cellubrevin |
| Antigen Species: | human |
| Uniprot ID: | Q15836 |
| Synonyms: | CEB;vesicle-associated membrane protein 3 |

## Research Background

Vesicle-associated membrane proteins, known as VAMPs, also designated synaptobrevins, include VAMP-1, VAMP-2, VAMP-3 (cellubrevin), and synaptotagmin, a protein that may function as an inhibitor of exocytosis. VAMP proteins are vesicular factors that are important components of the machinery controlling docking and/or fusion of secretory vesicles with their target membrane. Synaptosomal-associated proteins, known as SNAPs, including alpha- and gamma-SNAP, are cytoplasmic proteins that bind to a membrane receptor complex composed of VAMP, SNAP 25 and syntaxin. Pancreatic beta-cells express VAMP-2 and VAMP-3, and either one or both of these proteins selectively control Ca2+-mediated insulin secretion. In addition, VAMP-2 and VAMP-3 are expressed on GLUT4-containing vesicle membranes isolated from 3T3-Ll adipocytes and are important components of the insulin-dependent translocation of GLUT4 to the cell surface in adipocytes.



Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481