Datasheet for ABIN1742477

# anti-VAMP7 antibody (AA 119-188)

2 Images | 3 Publications

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | VAMP7 |
| Binding Specificity: | AA 119-188 |
| Reactivity: | Mouse, Rat |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

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|---|---|
| Immunogen: | Recombinant mouse VAMP 7 (aa 119-188). |
| Clone: | 158-2 |
| Isotype: | IgG2a |
| Specificity: | Specific for VAMP 7. |
| Purification: | purified IgG. Azide was added before lyophilization. |

## Target Details

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|---|---|
| Target: | VAMP7 |
| Alternative Name: | VAMP 7 (VAMP7 Products) |
| Background: | Synonyms: Ti-Vamp, SybL 1 |

## Application Details

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|---|---|
| Application Notes: | WB: 1 : 1000 (AP staining)<br>IP: not tested yet<br>ICC: not tested yet<br>IHC: 1 : 100 up to 1 : 200 |
| Restrictions: | For Research Use only |

## Handling

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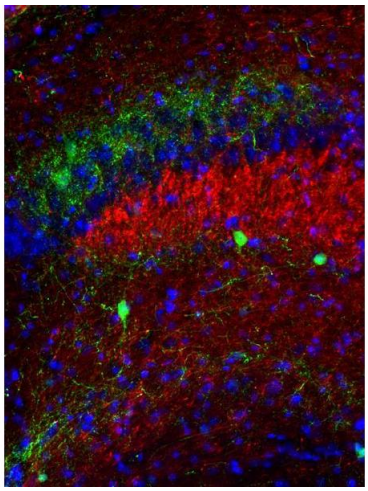
|---|---|
| Format: | Lyophilized |
| Reconstitution: | For reconstitution add 100 µL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use. |
| Buffer: | PBS, 0.02% sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Do not store diluted antibody solutions unless you add detergent or carrier proteins such as goat serum, BSA or others. IgG sticks to glass and plastic. Any IgG solution below 0.1 mg/mL protein will quickly adsorb and denature and thus loose activity! Repetitive freeze-thawing of dilute purified IgG is almost certain to lead to substantial losses. |
| Storage: | -20 °C |
| Storage Comment: | Unlabeled antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4 °C for several years. |

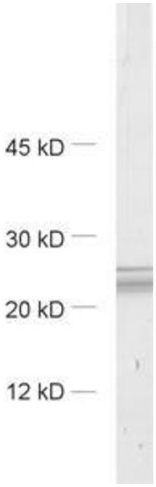
## Publications

| | |
|---|---|
| Product cited in: | Atkinson, Floerchinger, Qiao, Casey, Williamson, Moseley, Stoica, Goddard, Ge, Tullius, Tomlinson: "Donor brain death exacerbates complement-dependent ischemia/reperfusion injury in transplanted hearts." in: **Circulation**, Vol. 127, Issue 12, pp. 1290-9, (2013) (PubMed). |



## Immunohistochemistry

**Image 1.** Indirect immunohistochemistry of a PFA fixed mouse hippocampus section with anti-Vamp7 (dilution 1 : 100; red) and anti-calretinin (cat. no. 214 102, dilution 1 : 500; green). Nuclei were visualized by DAPI staining (blue).




## Western Blotting

**Image 2.** dilution: 1 : 1000, sample: synaptosomal fraction of rat brain (P2)

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