

## Product Datasheet

## Anti-VAPA/B Antibody FL594 Conjugate



## Overview

|                           |   |
|---------------------------|---|
| <b>Catalog #</b>          | 75-496-FL594  |
| <b>Conjugate</b>          | FL594 Ex: 594 nm, Em: 615 nm  |
| <b>Isotype</b>            | IgG2b   |
| <b>Clone Number</b>       | N479/107  |
| <b>Size</b>               | 200 µL  |
| <b>Concentration</b>      | 0.5 mg/mL   |
| <b>Host Species</b>       | Mouse Monoclonal  |
| <b>Format</b>             | Purified by Protein A chromatography  |
| <b>Buffer</b>             | PBS with 0.09% azide  |
| <b>Applications</b>       | ICC, IHC  |
| <b>Species Reactivity</b> | Mouse and Rat   |
| <b>Immunogen</b>          | Fusion protein amino acids 1-219 (N-terminus) of rat VAPA (accession number Q9Z270) produced recombinantly in E. Coli |
| <b>Molecular Weight</b>   | 30 kDa  |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-496-FL594, RRID: AB_2940654  |

## Details

|                              |  |
|------------------------------|--|
| <b>Target Description</b>    | VAPA and VAPB are members of the VAMP-associated protein family (VAP) (aka vesicle-associated membrane proteins) which are abundant scaffolding proteins predominantly localized to the endoplasmic reticulum (ER). VAPs have recently been shown to interact with Kv2.1 and Kv2.2 channels forming junctions to link the ER to the plasma membrane (Johnson B. et al., 2018). |
| <b>Specificity</b>           | No cross-reactivity reported   |
| <b>Purification Method</b>   | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.   |
| <b>Quality Control Tests</b> | Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.   |
| <b>Storage</b>               | Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.  |

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