

## Anti-SAP97/DLG1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9552-Fluoro594

### About DLG1

Disks large homolog 1 (DLG1), also known as synapse-associated protein 97 or SAP97, is a protein that in humans is encoded by the SAP97 gene. SAP97 is expressed throughout the body in epithelial cells, including the kidney and brain. There is some evidence that SAP97 regulates cell-to-cell adhesion during cell death, and may interact with HPV. In the brain, SAP97's function is involved in the trafficking of transmembrane receptors from the ER to the plasma membrane. SAP97's function has been investigated by reducing its expression by knockout or increasing its expression heterologously. Mice in which the SAP97 gene has been knocked out die perinatally, have a cleft palate, and deficiencies in renal function. Overexpression of SAP97 in mammalian neurons leads to increased synaptic strength.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-SAP97/DLG1 Antibody Picoband® Fluoro594 Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | Q12959   |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E.coli-derived human SAP97 recombinant protein (Position: M1-A165). Human SAP97 shares 89.7% and 84.2% amino acid (aa) sequence identity with mouse and rat SAP97, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins  |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | Fluoro594<br>Excitation Wavelength: 593 nm<br>Emission Wavelength: 618 nm  |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-SAP97/DLG1 Antibody - Fluoro594

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