

**Anti-SAP102 Picoband Antibody**  
**Catalog # ABO13027****Specification****Anti-SAP102 Picoband Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q92796</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Disks large homolog 3(DLG3) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-SAP102 Picoband Antibody - Additional Information**

**Gene ID** 1741

**Other Names**

Disks large homolog 3, Neuroendocrine-DLG, Synapse-associated protein 102, SAP-102, SAP102, XLMR, DLG3, KIAA1232

**Calculated MW**

90314 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, Human, By Heat<br> Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human, <br> <br>

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E. coli-derived human SAP102 recombinant protein (Position: E749-L817). Human SAP102 shares 98.6% amino acid (aa) sequence identity with both mouse and rat SAP102.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

**At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a**

longer time. Avoid repeated freezing and thawing.

### Anti-SAP102 Picoband Antibody - Protein Information

**Name** DLG3

**Synonyms** KIAA1232

**Function**

Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.

### Anti-SAP102 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-SAP102 Picoband Antibody - Images

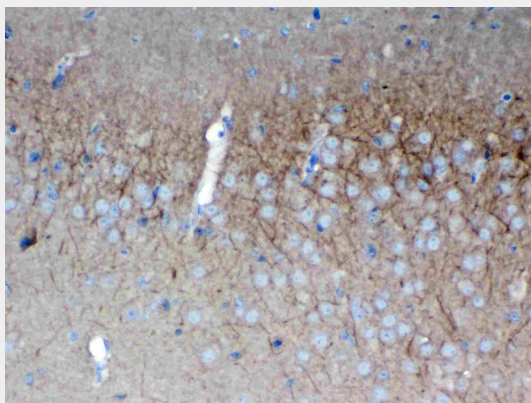
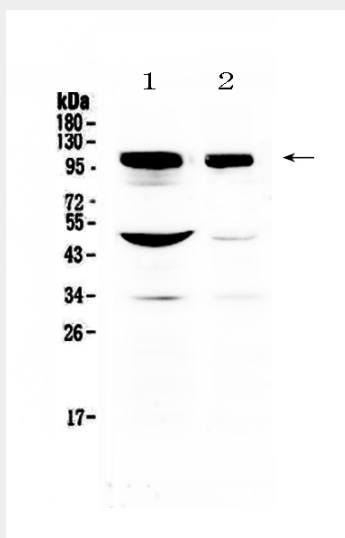
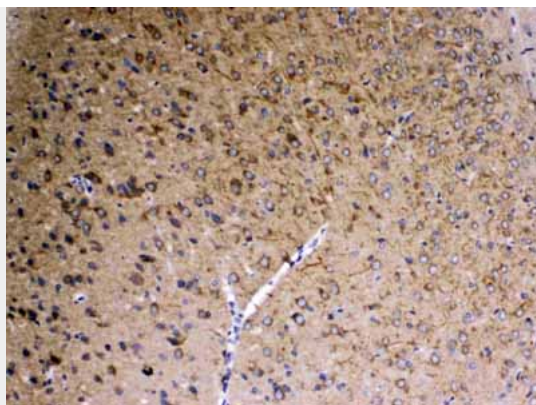


Figure 2. IHC analysis of SAP102 using anti-SAP102 antibody (ABO13027).



### Anti-SAP102 Picoband Antibody - Background

Disks large homolog 3 (DLG3) also known as neuroendocrine-DLG or synapse-associated protein 102 (SAP-102) is a protein that in humans is encoded by the DLG3 gene. DLG3 is a member of the membrane-associated guanylate kinase (MAGUK) superfamily of proteins. The encoded protein may play a role in clustering of NMDA receptors at excitatory synapses. It may also negatively regulate cell proliferation through interaction with the C-terminal region of the adenomatosis polyposis coli tumor suppressor protein. Mutations in this gene have been associated with X-linked mental retardation.