

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

Application	WB, IHC-P
Primary Accession	Q92796
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
 Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human,

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

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

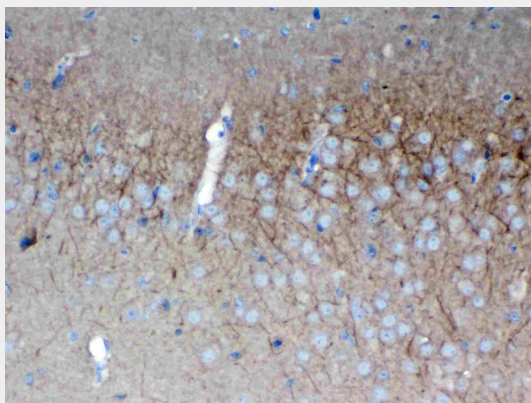
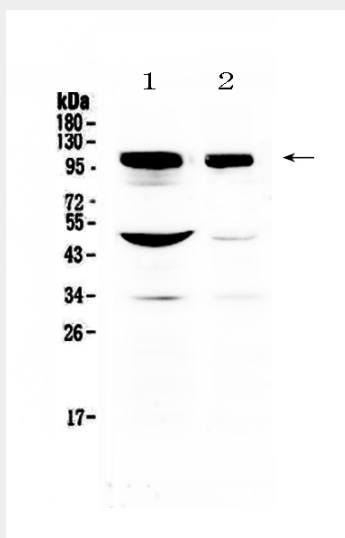
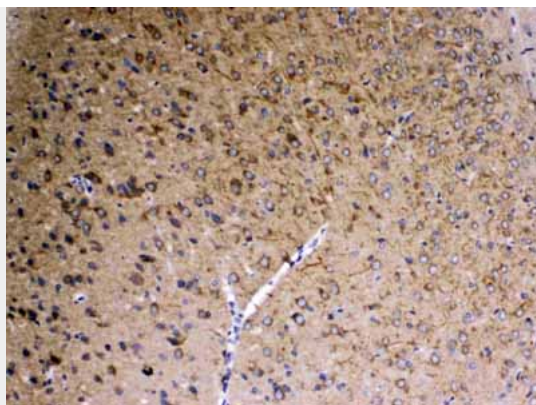


Figure 2. IHC analysis of SAP102 using anti-SAP102 antibody (ABO13027).



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.