

Anti-SAP102 Picoband Antibody

Catalog # ABO13027

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.

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
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,
Source	Eukaryota
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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 reconstitution, 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.

Protein Information

Name	DLG3
Synonyms	KIAA1232
Function	Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.

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 adenomatous polyposis coli tumor suppressor protein. Mutations in this gene have been associated with X-linked mental retardation.

Images

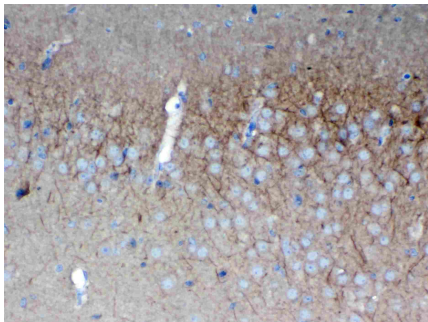
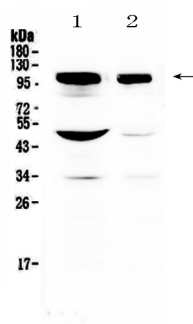
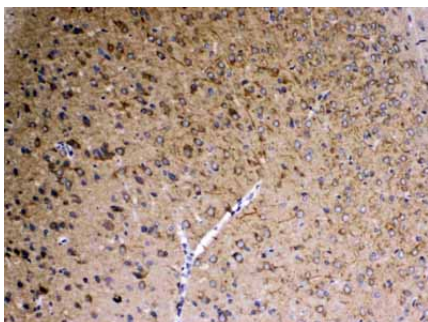


Figure 2. IHC analysis of SAP102 using anti-SAP102 antibody (ABO13027).



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