

Basic Information

Product Name	Anti-PSD95/DLG4 Antibody (Clone#DAF-4)	
Gene Name	DLG4	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, ICC/IF, IHC, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human PSD95	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	95-100 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:20
	Flow Cytometry (FCM):	1:20

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

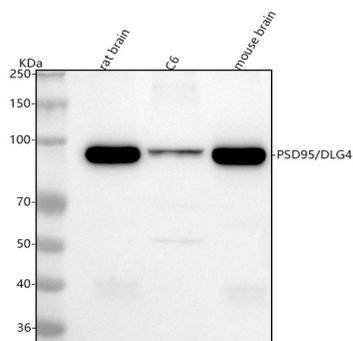
DLG4 discs large homolog 4, also known as PSD95 or SAP-90, is a protein that in humans is encoded by the DLG4 gene. It is a member of the membrane-associated guanylate kinase(MAGUK) family. This gene is mapped to 17p13.1. DLG4 can heteromultimerize with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Overexpression of DLG4 in hippocampal neurons could drive maturation of glutamatergic synapses. DLG4 can orchestrate synaptic development and it has a role in synapse stabilization and plasticity. Ubiquitination of DLG4 through an MDM2-mediated pathway can regulate AMPA receptor

surface expression during synaptic plasticity.

Reference

Anti-PSD95/DLG4 Antibody (Clone#DAF-4)被引用在3文献中。

Selected Validation Data



Western blot analysis of anti-PSD95/DLG4 antibody (BM4274). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

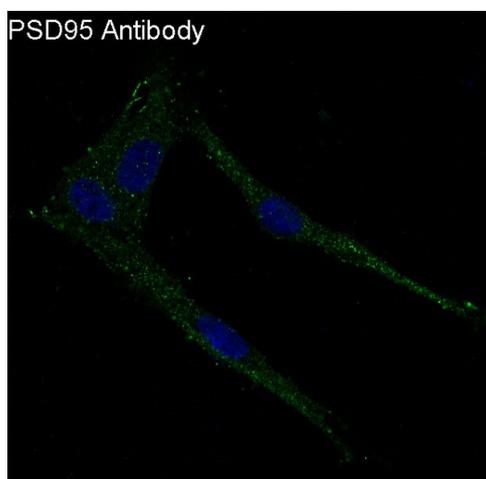
Lane 1: rat brain tissue lysates,

Lane 2: rat C6 whole cell lysates,

Lane 3: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-PSD95/DLG4 antigen affinity purified monoclonal antibody (BM4274) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PSD95/DLG4 at approximately 95 kDa. The expected band size for PSD95/DLG4 is at 80 kDa.



Immunofluorescent analysis of U87-MG cells, using PSD95 Antibody .

Product datasheet

**Anti-PSD95/DLG4 Antibody
(Clone#DAF-4)**

Catalog Number: BM4274

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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com **Phone:** 027-67845390/1/2 **Email:** boster@boster.com
