Product Datasheet

PSD95 Rabbit mAb

Catalog No: #48638

Package Size: #48638-1 50ul #48638-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

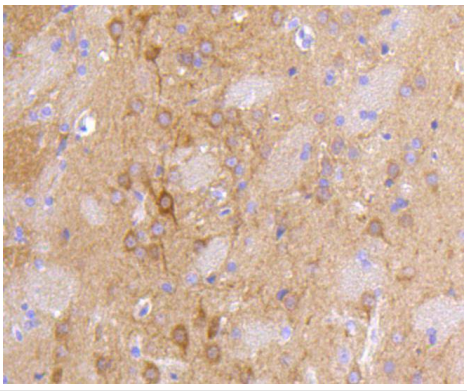
Description

Product Name	PSD95 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SR38-09
Purification	Affinity-chromatography
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	A synthesized peptide derived from human Disks large homolog 4
Conjugates	Unconjugated
Other Names	Discs large homolog 4 antibody Disks large homolog 4 antibody DLG 4 antibody Dlg4 antibody DLG4_HUMAN antibody FLJ97752 antibody FLJ98574 antibody Human post synaptic density protein 95 antibody Post synaptic density protein 95 antibody Postsynaptic density protein 95 antibody PSD 95 antibody PSD-95 antibody PSD95 antibody SAP 90 antibody SAP-90 antibody SAP90 antibody Synapse associated protein 90 antibody Synapse-associated protein 90 antibody Tax interaction protein 15 antibody
Accession No.	P78352
Calculated MW	100 kDa
Formulation	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycle.

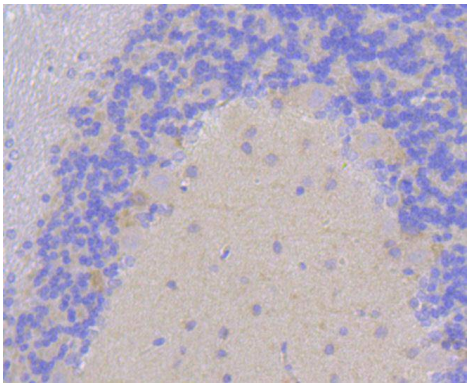
Application Details

WB 1:1000-1:2000 IHC 1:100-1:200 ICC/IF 1:50-1:200 IP 1:20-1:50 FC 1:20-1:100

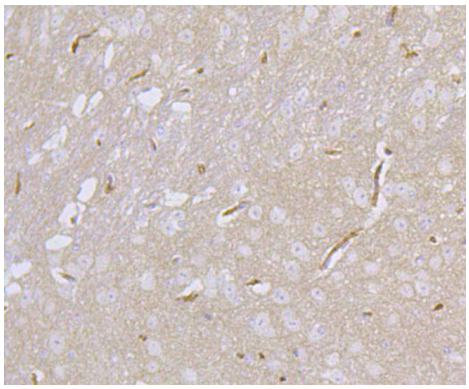
Images



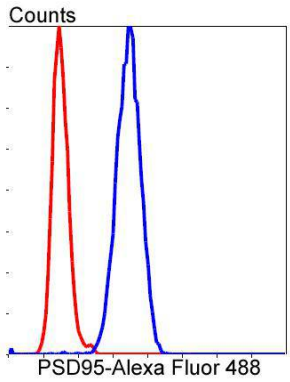
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-PSD95 antibody. Counter stained with hematoxylin.



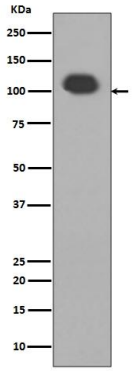
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-PSD95 antibody. Counter stained with hematoxylin.



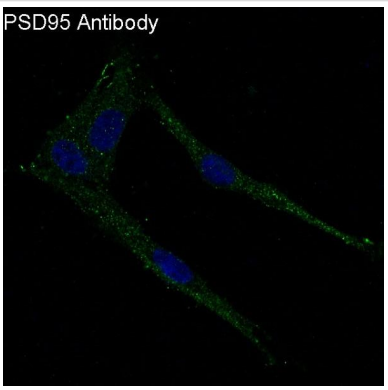
Immunohistochemical analysis of paraffin-embedded mouse cerebullum tissue using anti-PSD95 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of SH-SY-5Y cells with PSD95 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



Western blot analysis of PSD95 expression in Mouse brain tissue lysate.



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

Background

Interacts with the cytoplasmic tail of NMDA receptor subunits and shaker-type potassium channels. Required for synaptic plasticity associated with NMDA receptor signaling. Overexpression or depletion of DLG4 changes the ratio of excitatory to inhibitory synapses in hippocampal neurons.

References

1. Planagum J et al. Human N-methyl D-aspartate receptor antibodies alter memory and behaviour in mice. Brain 138:94-109 (2015).
2. Zhou L et al. Neonatal exposure to sevoflurane may not cause learning and memory deficits and behavioral abnormality in the childhood of Cynomolgus monkeys. Sci Rep 5:11145 (2015).

Published Papers

Lei Yining;Chen Yong;Zhang Shuo;Wang Wei;Zheng Min;Zhang Ruyi el at., Qingzhuan dark tea Theabrownin alleviates hippocampal injury in HFD-induced obese mice through the MARK4/NLRP3 pathway, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.