Product Datasheet

PSD95 Rabbit mAb

Catalog No: #48638

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

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

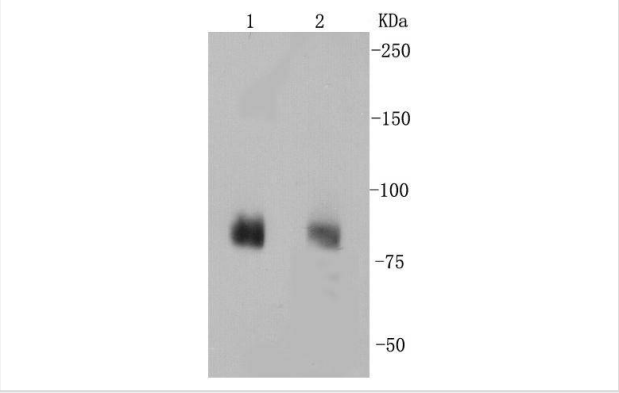
Description

Product Name	PSD95 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR38-09
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
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.	Swiss-Prot#:P78352
Uniprot	P78352
GeneID	1742;
Calculated MW	90 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

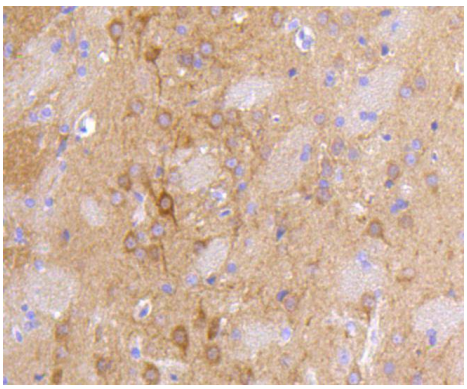
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

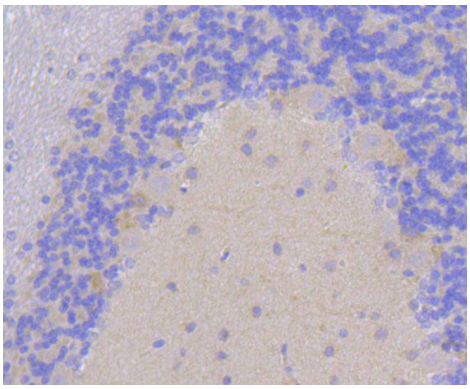
Images



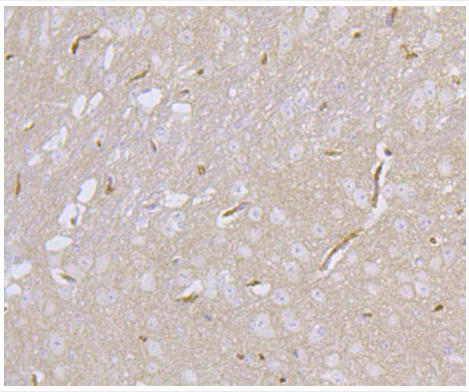
Western blot analysis of PSD95 on different lysates using anti-PSD95 antibody at 1/1,000 dilution. Positive control:
Lane 1: Mouse brain
Lane 2: Human brain



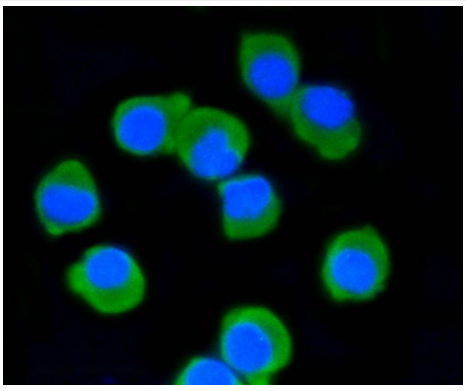
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-PSD95 antibody. Counter stained with hematoxylin.



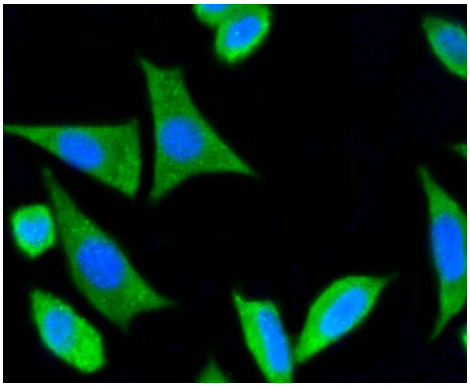
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-PSD95 antibody. Counter stained with hematoxylin.



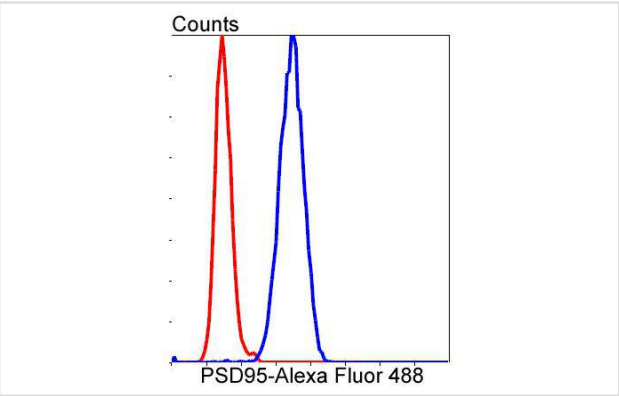
Immunohistochemical analysis of paraffin-embedded mouse cerebullum tissue using anti-PSD95 antibody. Counter stained with hematoxylin.



ICC staining PSD95 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PSD95 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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.

Background

The Drosophila discs large (dlg) tumor suppressor gene was first identified in Drosophila through genetic analysis of germline mutations. Several mammalian homologs were subsequently identified and categorized into a protein family termed MAGUK (membrane-associated guanylate kinase homolog). Human homologs of dlg include hdlg-1 (rat SAP 97) and NE-dlg (neuronal and endocrine dlg). The rat synaptic protein PSD-95 (also designated SAP 90) also shares homology with these proteins. MAGUKs are localized at the membrane-cytoskeleton interface and contain several distinct domains which suggest a role for these proteins in intracellular signal transduction. Interaction of hdlg-1 and NE-dlg with the tumor suppresor protein APC suggest that MAGUK proteins may also play a role in regulation of growth.

References

Note: This product is for in vitro research use only