

MAB-10681 Anti-PSD-95 MAGUK scaffold protein

Size: 100 ug

Concentration: 1 mg/mL

Clone: K28/43

Host: Mouse

Immunogen: Fusion protein amino acids 77-299 (PDZ domains 1 and 2) of human PSD-95 (also known as Postsynaptic density protein 95, Disks large homolog 4, Synapse-associated protein 90, DLG4, Dlg4 and SAP-90)
Rat: 100% identity (223/223 amino acids identical)
Mouse: 99% identity (221/223 amino acids identical) 65-80% identity with DLG1/SAP97, DLG2/Chapsyn-1 10 and DLG3/SAP1 02

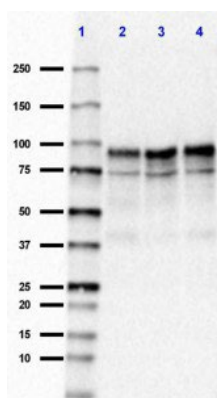
Monoclonal antibody info: Mouse strain: Balb/C Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

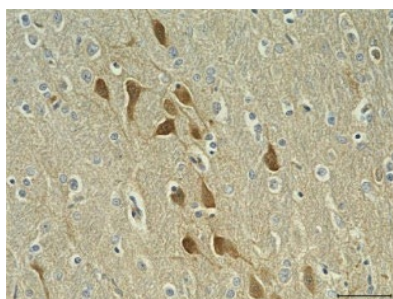
Applications:	Working Dilutions:	
	Western Blot:	1:2000
	Immunofluorescence:	1:100
	Immunohistochemistry (frozen tissues):	1:100
	Immunohistochemistry (paraffin):	1:100
	<i>To be determined by end user.</i>	

Species Reactivity: Human, Rat, Mouse
Does not cross-react with DLG1/SAP97, DLG2/Chapsyn-1 10 or DLG3/SAP 102

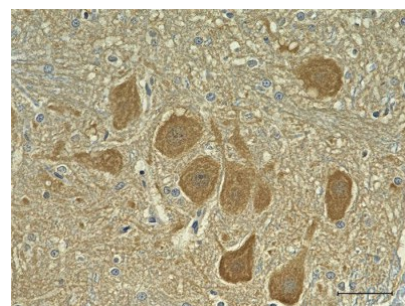
Storage: At +4°C. At -20°C for longer term. Avoid freeze and thaw cycles.



Western blot of purified anti-PSD95 antibody (clone K28/43).
Lane 1: Molecular weight marker;
Lane 2: 10 µg of human brain membrane lysate;
Lane 3: 10 µg of mouse brain membrane lysate;
Lane 4: 10 µg of rat brain membrane lysate. The blot was incubated with 0.5 µg/mL of the primary antibody overnight at 4°C, followed by incubation with HRP labeled goat anti mouse IgG Enhanced chemiluminescence was used as the detection system.



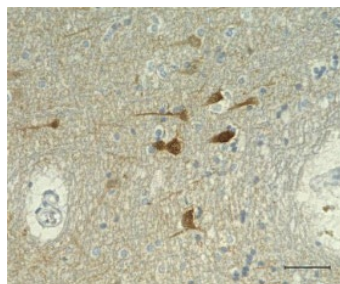
IHC staining of purified anti-PSD95 antibody (clone K28/43) on formalin-fixed paraffin-embedded mouse brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with 10 µg/mL of the primary antibody overnight at 4°C. Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB), was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 µm



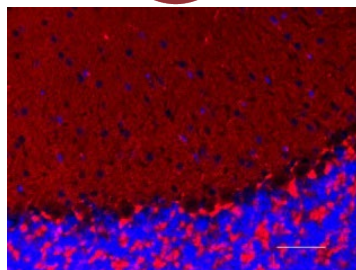
IHC staining of purified anti-PSD95 antibody (clone K28/43) on formalin-fixed paraffin-embedded rat brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with 10 µg/mL of the primary antibody overnight at 4°C. Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 µm

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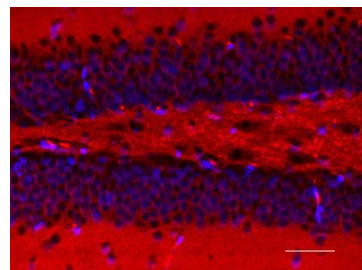
Web-site: www.immunologicalsciences.com; E-Mail: info@immunologicalsciences.com



IHC staining of purified anti-PSD95 antibody (clone K28/43) on formalin-fixed paraffin-embedded human brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with 10 µg/ml of the primary antibody overnight at 4°C. Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 0 µm



IHC staining of purified anti-PSD95 antibody (clone K28/43) on formalin-fixed paraffin-embedded mouse cerebellum tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with 10 µg/mL of the primary antibody overnight at 4°C, followed by incubation with Alexa Fluor® 555 anti-mouse IgG for one hour at room temperature. Nuclei were counterstained with DAPI. The image was captured with a 40X objective. Scale bar: 50 µm



IHC staining of purified anti-PSD95 antibody (clone K28/43) on formalin-fixed paraffin-embedded mouse hippocampus tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with 10 µg/mL of the primary antibody overnight at 4°C, followed by incubation with Alexa Fluor® 555 anti-mouse IgG for one hour at room temperature. Nuclei were counterstained with DAPI. The image was captured with a 40X objective. Scale bar: 50 µm

Protocol for Immunohistochemistry – Paraffin Embedded tissues

Anti-PSD-95 MAGUK scaffold protein Immunological Sciences performed in mouse brain tissue

-Deparaffinized section:

- Xylene 30 min.
- ETOH 100% 10min.
- ETOH 96% 10min.
- ETOH 70% 10min.
- H2O 5min.

-Antigen retrieval: Acetic acid 5% in ETOH 100% (37°C in humid chamber 1 hr)

-Wash in TBS (Tris-HCl 1M; NaCl 5M) 3x10min.

-Triton X100 0,1% (in TBS) 15min.

- Wash in TBS 3x10min.

-Hydrogen peroxide 3% 10min.

- Wash in TBS 3x10min.

-Normal Horse Serum 10% in TBS 1h

-Incubation with anti-PSD 95 [1:100] e [1:300] in TBS+NHS 2% overnight at +4°C in humid chamber

- Wash in TBS 3x10min.

- Incubation with Ab II biotinylated anti-mouse [1:200] in TBS 1h

- Wash in TBS 3x10min.

Horseradish peroxidase streptavidin [1:100] in TBS 1h

- Wash in TBS 3x10min.

-Develop with chromogen (DAB) 3min.