

Anti-PSD95 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

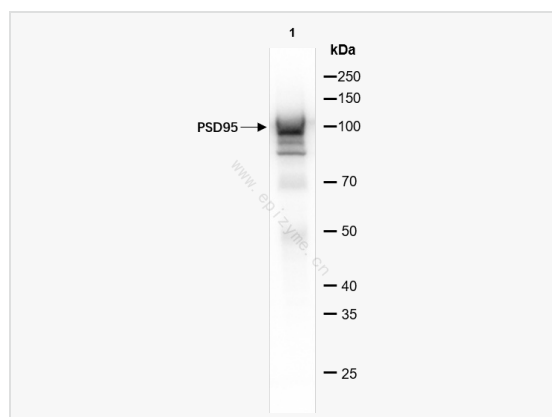
Catalog # R013801

Product Information

Application	IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA, WB
Reactivity	Mouse, Human
Dilution	WB 1:1,000~1:2,000; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	21E45F92
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human PSD95
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PSD95 Rabbit mAb [21E45F92] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	MRD62, PSD95, SAP-90, Discs large homolog 4, DLG4, FLJ97752, FLJ98574, Post synaptic density protein 95, Synapse-associated protein 90, Tax interaction protein 15.
Calculated MW	Calculated MW: 80 kDa; Observed MW: 75 kDa, 100 kDa
Uniprot ID	P78352
Gene ID	1742
Background	This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]



Western Blot - Anti-PSD95 Rabbit mAb [21E45F92]

All lanes: R013801 at 1:1,000 dilution

Lane 1: Balb/c mouse brain whole tissue lysates

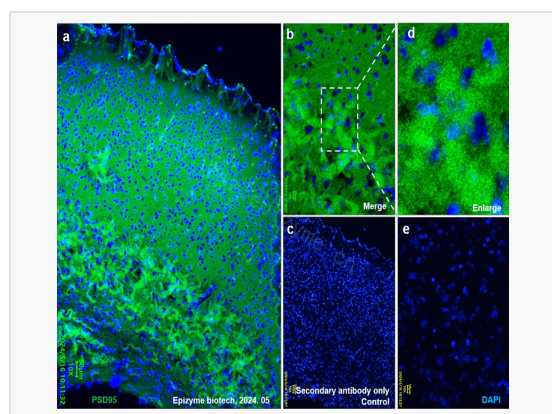
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 80 kDa

Observed band size: 75 kDa, 100 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-PSD95 Rabbit mAb [21E45F92]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue (Sections of cerebral cortex and corpus callosum)

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013801 at 1:100 dilution

Secondary antibody: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).

Figure legends:

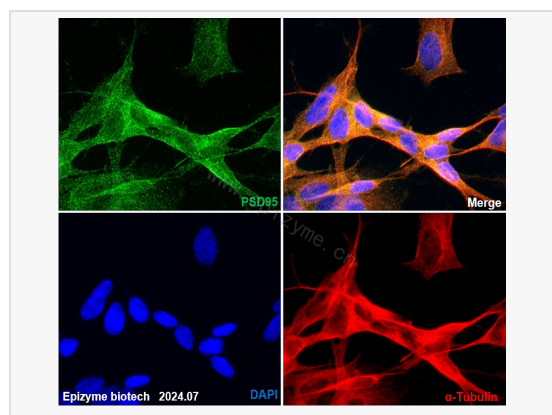
a: Whole scene of PSD95 stained mouse cerebral cortex and corpus callosum.

b: 40× view. Green: PSD95; Blue: DAPI.

c: Mouse brain staining with secondary antibody only for control experiment.

d: Enlarge view of b.

e: DAPI of b.



Immunofluorescence - Anti-PSD95 Rabbit mAb [21E45F92]

Sample: SY5Y cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013801 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).