

## **Anti-PSD-95 Antibody**

Our Anti-PSD-95 rabbit polyclonal primary antibody from PhosphoSolutions is produced in-house. It de Catalog # AN1530

# **Specification**

# **Anti-PSD-95 Antibody - Product Information**

Primary Accession
Host
Clonality
Polyclonal
Isotype
Calculated MW
P31016
Rabbit
Polyclonal
IgG
80465

# **Anti-PSD-95 Antibody - Additional Information**

Gene ID 29495

#### **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, PSD-95 antibody, SAP-90 antibody, SAP-90 antibody, SAP-90 antibody, Synapse associated protein 90 antibody, Synapse-associated protein 90 antibody, Tax interaction protein 15 antibody

#### Target/Specificity

PSD-95 is a very prominent component of the postsynaptic densities of synapses. It contains three PDZ domains which play key roles in its interactions with other proteins in the synapse. It has been proposed that these PDZ domains organize glutamate receptors and their associated signaling proteins and determine the size and strength of synapses (Kim and Sheng, 2004). Recent work suggests that interaction of the NMDAR with PSD-95 via these PDZ domains can be regulated by phosphorylation (Chung et al., 2004).

#### **Format**

Antigen Affinity Purified from Pooled Serum

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

Anti-PSD-95 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Shipping

Blue Ice

## **Anti-PSD-95 Antibody - Protocols**

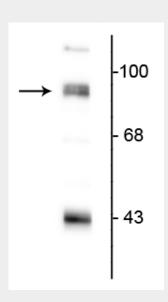




Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Anti-PSD-95 Antibody - Images



Western blot of rat hippocampal lysate showing specific immunolabeling of the  $\sim 95$  kDa PSD-95 protein.

# Anti-PSD-95 Antibody - Background

PSD-95 is a very prominent component of the postsynaptic densities of synapses. It contains three PDZ domains which play key roles in its interactions with other proteins in the synapse. It has been proposed that these PDZ domains organize glutamate receptors and their associated signaling proteins and determine the size and strength of synapses (Kim and Sheng, 2004). Recent work suggests that interaction of the NMDAR with PSD-95 via these PDZ domains can be regulated by phosphorylation (Chung et al., 2004).