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**Anti PSD-95**

Cat #: HM1290  
Mouse monoclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

PSD-95 is a member of the membrane-associated guanylate kinase (MAGUK) family. Other members include *Drosophila* discs large (dlg), human hdlg-1 (rat SAP 97) and NE-dlg (neuronal and endocrine dlg). 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 suppressor protein APC suggest that MAGUK proteins may also play a role in regulation of growth. PSD-95 heteromultimerizes with DLG2. They are recruited into the same 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.

**SPECIFICITY**

This antibody specifically reacts with PSD-95 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

**IMMUNOGEN**

A synthetic peptide derived from N-terminus of human PSD-95 protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

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