

Product datasheet

PSD93 peptide ab5840

Description

Product name	PSD93 peptide
Purity	> 95 % SDS-PAGE.
Animal free	No
Nature	Synthetic

Specifications

Our **Abpromise guarantee** covers the use of **ab5840** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Blocking
Form	Lyophilized

Additional notes

This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and PSD93, catalog **ab2930**. Using a solution with equal weights per unit volume of peptide and corresponding antibody will yield a solution with a large molar excess of peptide that is able to competitively bind the antibody.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Reconstitution	Reconstitute with 0.1 ml of distilled water.

General Info

Function	Required for perception of chronic pain through NMDA receptor signaling. Regulates surface expression of NMDA receptors in dorsal horn neurons of the spinal cord. Interacts with the cytoplasmic tail of NMDA receptor subunits as well as inward rectifying potassium channels. Involved in regulation of synaptic stability at cholinergic synapses. Part of the postsynaptic protein scaffold of excitatory synapses.
Sequence similarities	Belongs to the MAGUK family. Contains 1 guanylate kinase-like domain. Contains 3 PDZ (DHR) domains.

	Contains 1 SH3 domain.
Domain	An N-terminally truncated L27 domain is predicted in isoform 2 at positions 1 through 27.
Post-translational modifications	Palmitoylation of isoform 1 is not required for targeting to postsynaptic density.
Cellular localization	Cell membrane. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Cell junction, synapse. Membrane. Cell projection, axon. Concentrated in soma and postsynaptic density of a subset of neurons.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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