


Product datasheet

Anti-PSD93 antibody [EPR8740] ab151721

Recombinant RabMAb

★ ★ ★ ★ ★ [2 Abreviews](#) [2 References](#) [3 Images](#)

Overview

Product name	Anti-PSD93 antibody [EPR8740]
Description	Rabbit monoclonal [EPR8740] to PSD93
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, SH-SY5Y, Jurkat and Human astrocytoma cell lysates; SH-SY5Y cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8740

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab151721 in the following tested applications.

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

Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 97 kDa.

Application notes

Is unsuitable for ICC/IF or IHC-P.

Target

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.

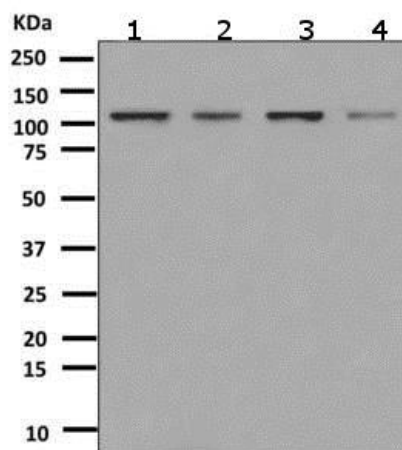
Post-translational modifications

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.

Images



Western blot - Anti-PSD93 antibody [EPR8740]
(ab151721)

All lanes : Anti-PSD93 antibody [EPR8740] (ab151721) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : SH-SY5Y cell lysate

Lane 3 : Jurkat cell lysate

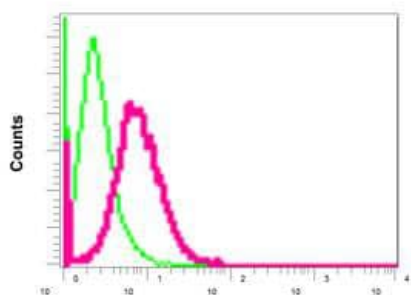
Lane 4 : Human astrocytoma cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 97 kDa



Flow Cytometry (Intracellular) - Anti-PSD93 antibody
[EPR8740] (ab151721)

Intracellular flow cytometric analysis of permeabilized SH-SY5Y cells labeling PSD93 with ab151721 at 1/100 dilution (red), compared to a nonspecific control antibody (green).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-PSD93 antibody [EPR8740] (ab151721)

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

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