


Anti-PSD95 (phospho T19) antibody ab16496

★★★★★ [3 Abreviews](#) [4 References](#) [1 图像](#)

概述

产品名称	Anti-PSD95 (phospho T19)抗体
描述	兔多克隆抗体to PSD95 (phospho T19)
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse 预测可用于: Rat, Human 
免疫原	Synthetic peptide corresponding to Mouse PSD95 aa 1-100 (internal sequence) conjugated to keyhole limpet haemocyanin. (Peptide available as ab17167)
阳性对照	mouse brain
常规说明	<p>Phosphorylation of PSD95 dynamically regulates the clustering of PSD95/NMDA receptors at synapses, providing a possible mechanism for rapid changes in density and/or number of receptor at synapses.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度

Immunogen affinity purified

Primary antibody说明

Phosphorylation of PSD95 dynamically regulates the clustering of PSD95/NMDA receptors at synapses, providing a possible mechanism for rapid changes in density and/or number of receptor at synapses.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab16496于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (2)	Use a concentration of 1 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 80 kDa).

靶标

功能

Interacts with the cytoplasmic tail of NMDA receptor subunits and shaker-type potassium channels. Required for synaptic plasticity associated with NMDA receptor signaling. Overexpression or depletion of DLG4 changes the ratio of excitatory to inhibitory synapses in hippocampal neurons. May reduce the amplitude of ASIC3 acid-evoked currents by retaining the channel intracellularly. May regulate the intracellular trafficking of ADR1B.

组织特异性

Brain.

序列相似性

Belongs to the MAGUK family.
Contains 1 guanylate kinase-like domain.
Contains 3 PDZ (DHR) domains.
Contains 1 SH3 domain.

结构域

The PDZ domain 3 mediates interaction with ADR1B.
The L27 domain near the N-terminus of isoform 2 is required for HGS/HRS-dependent targeting to postsynaptic density.

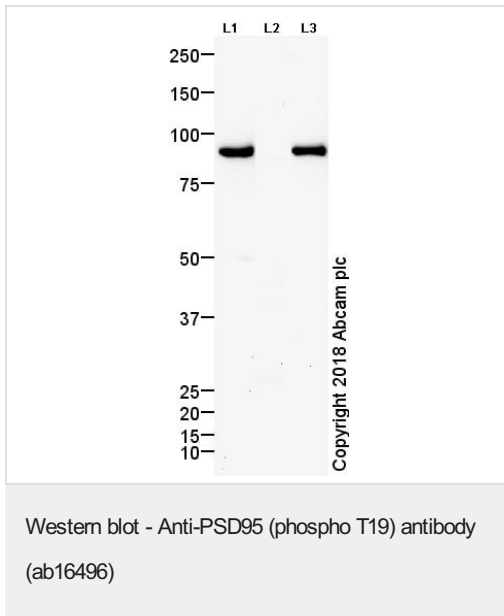
翻译后修饰

Palmitoylation of isoform 1 is required for targeting to postsynaptic density.

细胞定位

Cell membrane. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Cell projection, axon. Cell junction, synapse. High levels in postsynaptic density of neurons in the forebrain. Also in presynaptic region of inhibitory synapses formed by cerebellar basket cells on axon hillocks of Purkinje cells.

图片



Lanes 1 & 3 : ab16496 at 10 µg

Lane 2 : ab16496

Lane 1 : Mouse Brain

Lane 2 : Mouse Brain with with modified blocking peptide at 1 µg/ml

Lane 3 : Mouse Brain with with non-modified blocking peptide at 1 µg/ml

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 80 kDa

Observed band size: 90 kDa

Exposure time: 20 minutes

In WB, we recommend blocking in milk. Blocking with BSA has been seen to give high background with this antibody.

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

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