

Anti-Synapsin I (phospho S9) antibody [EP2162Y] ab76260

重组 RabMAb

6 References [7 图像](#)

概述

产品名称	Anti-Synapsin I (phospho S9)抗体[EP2162Y]
描述	兔单克隆抗体[EP2162Y] to Synapsin I (phospho S9)
宿主	Rabbit
经测试应用	适用于: WB, Dot blot 不适用于: Flow Cyt, ICC/IF, IHC-P or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human, mouse and rat brain tissue lysates, untreated or treated with AP.
常规说明	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 .

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. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EP2162Y

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab76260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		1/1000 - 1/5000. Detects a band of approximately 74 kDa (predicted molecular weight: 74 kDa).
Dot blot		1/1000.

应用说明

Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

靶标

功能

Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level.

疾病相关

Defects in SYN1 are a cause of epilepsy X-linked with variable learning disabilities and behavior disorders [MIM:300491]. XELBD is characterized by variable combinations of epilepsy, learning difficulties, macrocephaly, and aggressive behavior.

序列相似性

Belongs to the synapsin family.

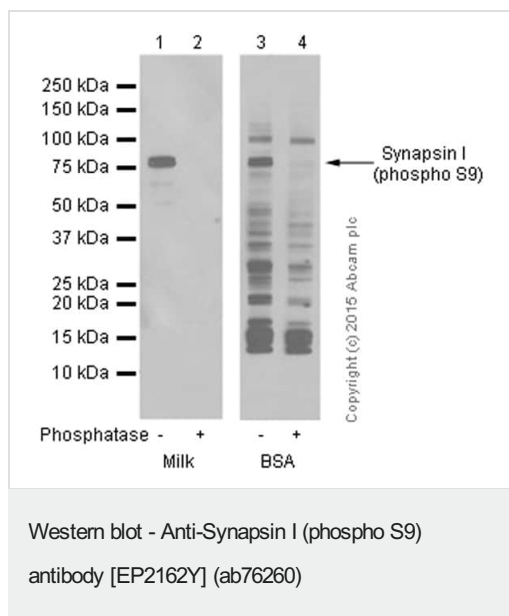
翻译后修饰

Substrate of at least four different protein kinases. It is probable that phosphorylation plays a role in the regulation of synapsin-1 in the nerve terminal. Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

Cell junction > synapse. Golgi apparatus.

图片



All lanes : Anti-Synapsin I (phospho S9) antibody [EP2162Y] (ab76260) at 1/1000 dilution

Lanes 1 & 3 : Human brain whole cell lysate - untreated

Lanes 2 & 4 : Human brain whole cell lysate - treated with Alkaline Phosphatase

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 74 kDa

Observed band size: 77 kDa

Exposure time:

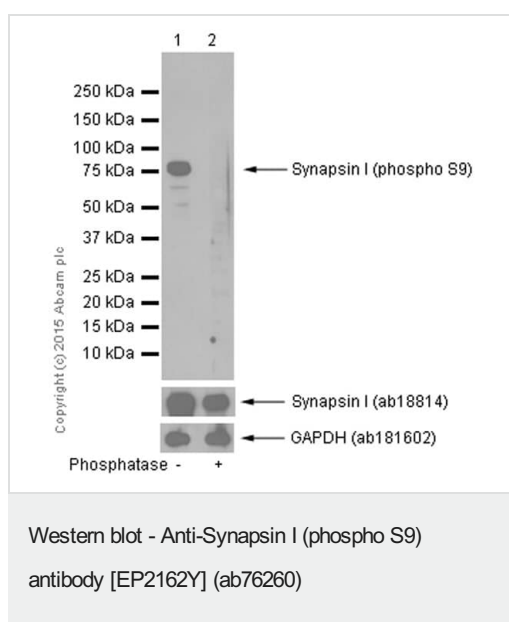
Lanes 1 and 2: 1 second.

Lanes 3 and 4: 15 seconds.

Blocking and dilution buffer:

Lanes 1 and 2: 5% NFDM/TBST.

Lanes 3 and 4: 2% BSA/TBST.



All lanes : Anti-Synapsin I (phospho S9) antibody [EP2162Y] (ab76260) at 1/5000 dilution

Lane 1 : Human brain whole cell lysate - untreated

Lane 2 : Human brain whole cell lysate - treated with Alkaline Phosphatase

Lysates/proteins at 10 µg per lane.

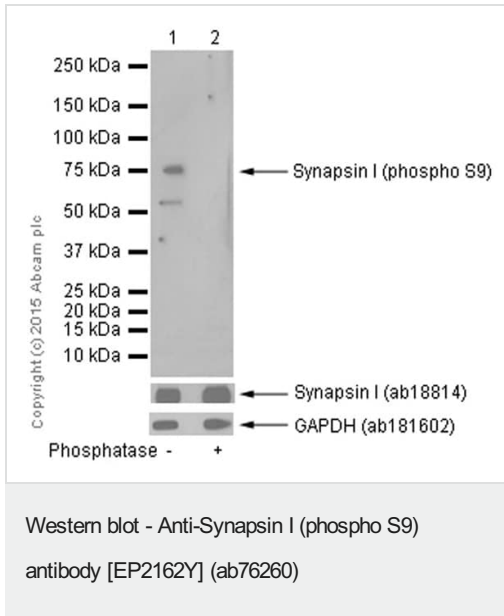
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 74 kDa

Observed band size: 77 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



All lanes : Anti-Synapsin I (phospho S9) antibody [EP2162Y] (ab76260) at 1/200 dilution

Lane 1 : Mouse brain whole cell lysate - untreated

Lane 2 : Mouse brain whole cell lysate - treated with Alkaline Phosphatase

Lysates/proteins at 10 µg per lane.

Secondary

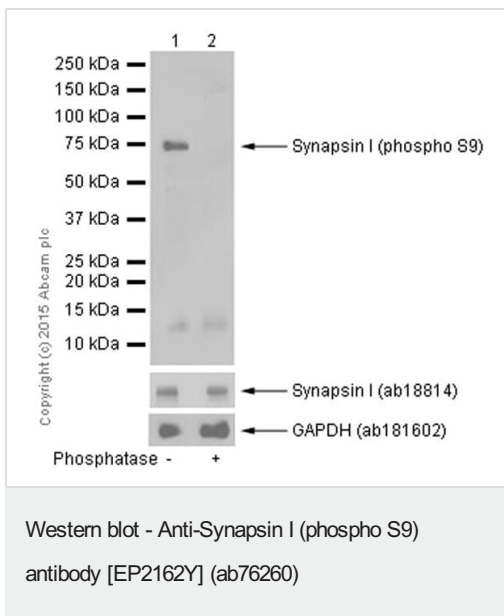
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 74 kDa

Observed band size: 77 kDa

Exposure time: 3 minutes

Blocking and dilution buffer: 5% NFDM/TBST.



All lanes : Anti-Synapsin I (phospho S9) antibody [EP2162Y] (ab76260) at 1/1000 dilution

Lane 1 : Rat brain whole cell lysate - untreated

Lane 2 : Rat brain whole cell lysate - treated with Alkaline Phosphatase

Lysates/proteins at 10 µg per lane.

Secondary

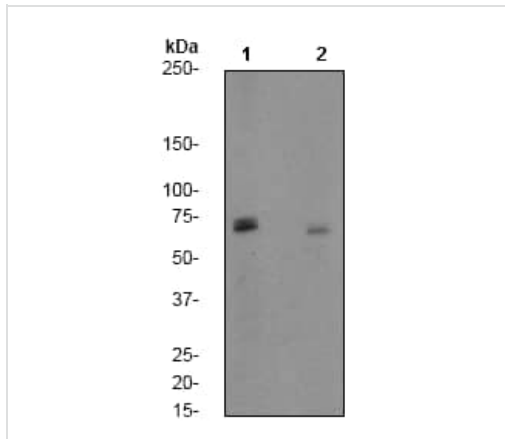
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 74 kDa

Observed band size: 77 kDa

Exposure time: 1 second

Blocking and dilution buffer: 2% BSA/TBST.



Western blot - Anti-Synapsin I (phospho S9)
antibody [EP2162Y] (ab76260)

All lanes : Anti-Synapsin I (phospho S9) antibody [EP2162Y]
(ab76260)

Lane 1 : Human brain tissue lysate, untreated

Lane 2 : Human brain tissue lysate, treated with AP

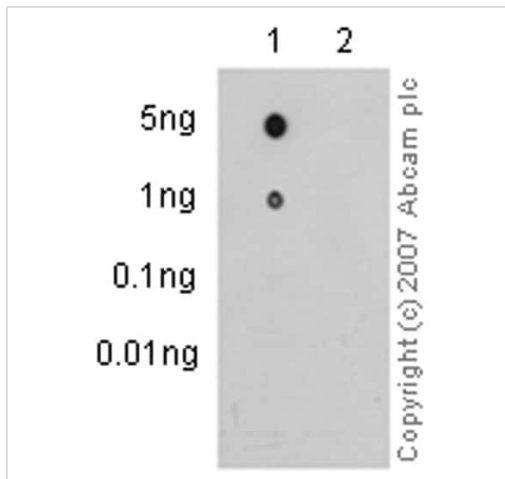
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 74 kDa

Observed band size: 74 kDa



Dot Blot - Anti-Synapsin I (phospho S9) antibody
[EP2162Y] (ab76260)

Dot blot analysis of Synapsin I (pS9) phospho peptide (lane 1) and Synapsin I non-phospho peptide (lane 2) labelling Synapsin I (pS9) with ab76260 at a dilution of 1/1000. A peroxidase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/2500).

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.

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-Synapsin I (phospho S9) antibody [EP2162Y]
(ab76260)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors