abcam

Product datasheet

Anti-Synapsin I (phospho S553) antibody [E377] ab32532

重组 RabMAb

13 References 6 图像

概述

产品名称	Anti-Synapsin I (phospho S553)抗体[E377]
描述	兔单克隆抗体[E377] to Synapsin I (phospho S553)
宿主	Rabbit
特异性	This antibody only detects Synapsin phosphorylated on Serine 553
经测试应用	**适用于:** WB, Dot blot **不适用于:** Flow Cyt,ICC/IF,IHC 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: Untreated Human fetal brain, Mouse brain lysates, and Human fetal brain treated with alkaline phosphatase lysates.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	E377

同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab32532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。

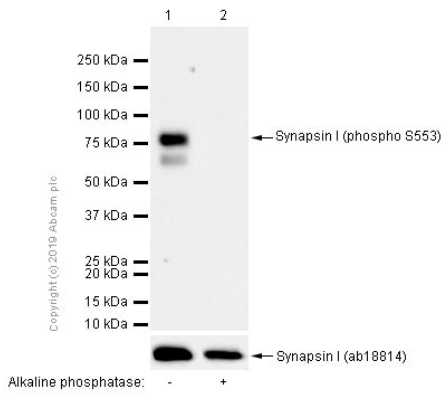
应用	Ab评论	说明
WB		1/10000 - 1/50000. Detects a band of approximately 74 kDa (predicted molecular weight: 74 kDa).
Dot blot		1/500.

应用说明 Is unsuitable for Flow Cyt,ICC/IF,IHC 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



Western blot - Anti-Synapsin I (phospho S553) antibody [E377] (ab32532)

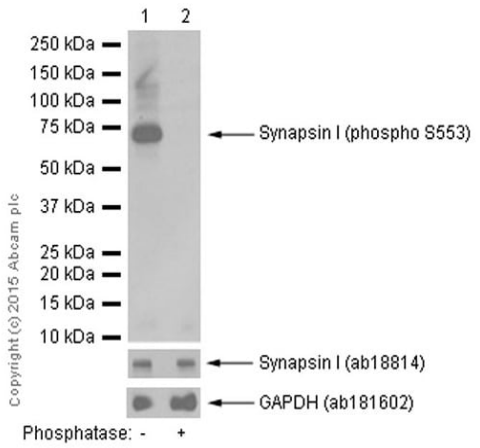
All lanes : Anti-Synapsin I (phospho S553) antibody [E377] (ab32532) at 1/1000 dilution (Purified)

Lane 1 : Untreated Human fetal brain lysates
Lane 2 : Human fetal brain lysates treated with alkaline phosphatase

Lysates/proteins at 15 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 74 kDa
Observed band size: 77 kDa



Western blot - Anti-Synapsin I (phospho S553) antibody [E377] (ab32532)

All lanes : Anti-Synapsin I (phospho S553) antibody [E377] (ab32532) at 1/1000 dilution

Lane 1 : Untreated rat brain whole cell lysates
Lane 2 : Rat brain whole cell lysates, treated with alkaline phosphatase

Lysates/proteins at 10 µg per lane.

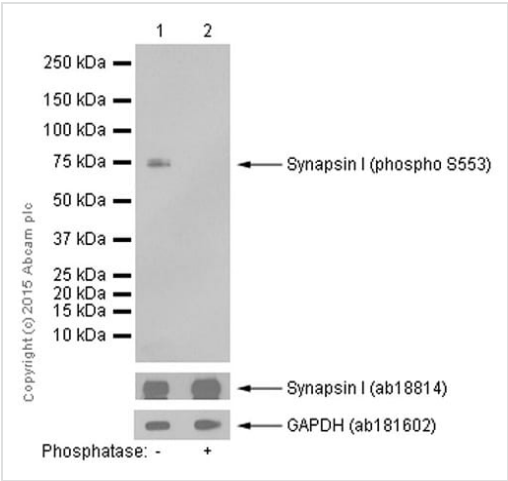
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 74 kDa
Observed band size: 77 kDa

Exposure time: 1 second

Blocking buffer: 2% BSA/TBST

Dilution buffer: 2% BSA/TBST



Western blot - Anti-Synapsin I (phospho S553) antibody [E377] (ab32532)

All lanes : Anti-Synapsin I (phospho S553) antibody [E377] (ab32532) at 1/1000 dilution

Lane 1 : Untreated mouse brain whole cell lysate
Lane 2 : Mouse brain whole cell lysate, treated with alkaline phosphatase

Lysates/proteins at 10 µg per lane.

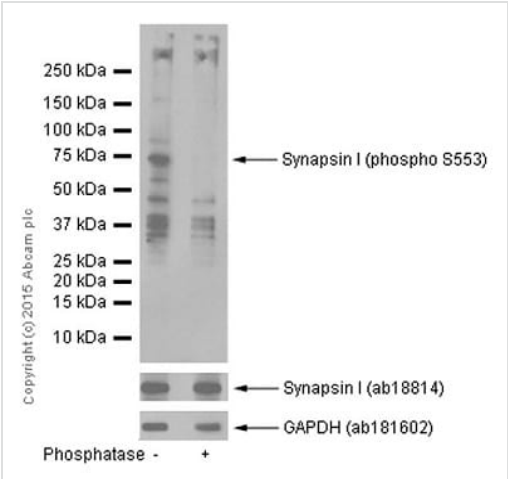
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 74 kDa
Observed band size: 77 kDa

Exposure time: 15 seconds

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Synapsin I (phospho S553) antibody [E377] (ab32532)

All lanes : Anti-Synapsin I (phospho S553) antibody [E377] (ab32532) at 1/200 dilution

Lane 1 : Untreated mouse brain whole cell lysate
Lane 2 : Mouse brain whole cell lysates, treated with alkaline phosphatase

Lysates/proteins at 10 µg per lane.

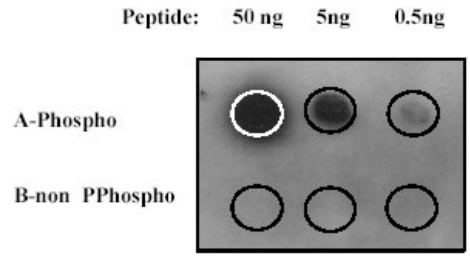
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 74 kDa
Observed band size: 77 kDa

Exposure time: 3 minutes

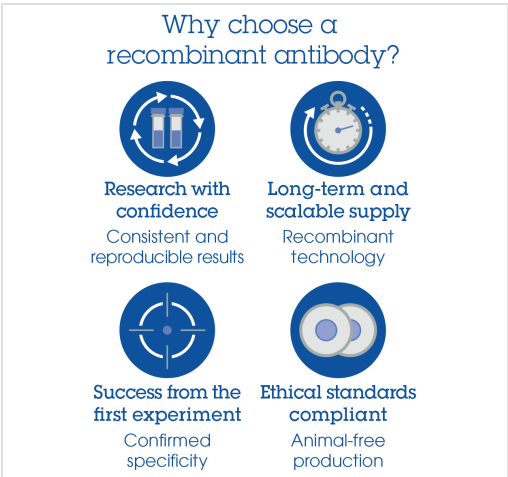
Blocking buffer: 2% BSA/TBST

Dilution buffer: 2% BSA/TBST



Dot Blot - Anti-Synapsin I (phospho S553) antibody [E377] (ab32532)

Dot Blot analysis on human immunogen phospho-peptide (A) and non-phospho peptide (B) using ab32532 at a dilution of 1/500



Anti-Synapsin I (phospho S553) antibody [E377] (ab32532)

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