abcam

Product datasheet

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

リコンビナント RabMAb

13 References 画像数 6

製品の概要

製品名	Anti-Synapsin I (phospho S553) antibody [E377]
製品の詳細	Rabbit monoclonal [E377] to Synapsin I (phospho S553)
由来種	Rabbit
特異性	This antibody only detects Synapsin phosphorylated on Serine 553
アプリケーション	**適用あり:** WB, Dot blot **適用なし:** Flow Cyt,ICC/IF,IHC or IP
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Untreated Human fetal brain, Mouse brain lysates, and Human fetal brain treated with alkaline phosphatase lysates.
特記事項	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**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	E377

アイソタイプ IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab32532の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/10000 - 1/50000. Detects a band of approximately 74 kDa (predicted molecular weight: 74 kDa).
Dot blot		1/500.

追加情報 Is unsuitable for Flow Cyt,ICC/IF,IHC or IP.

ターゲット情報

機能 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.

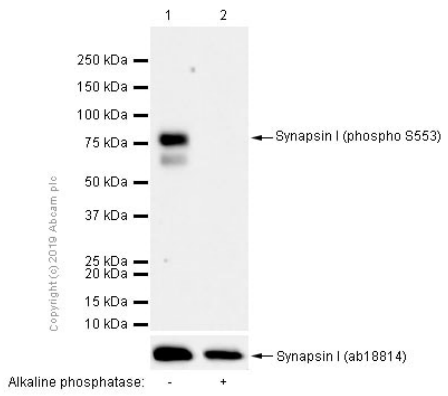
関連疾患 Defects in SYN1 are a cause of epilepsy X-linked with variable learning disabilities and behavior disorders [MIM:300491]. XELBD is characterized by variable combinations of epilepsy, learning difficulties, macrocephaly, and aggressive behavior.

配列類似性 Belongs to the synapsin family.

翻訳後修飾 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.

細胞内局在 Cell junction > synapse. Golgi apparatus.

画像



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

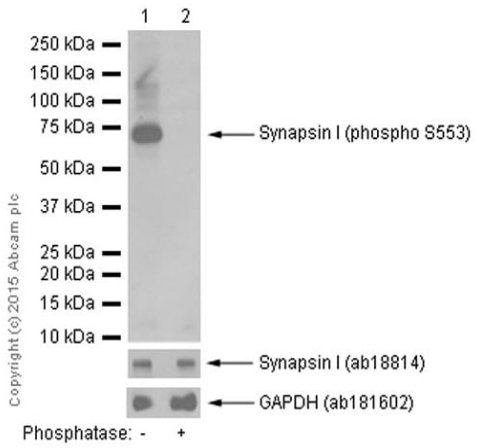
All lanes : Anti-Synapsin I (phospho S553) antibody [E377] (ab32532) at 1/1000 dilution (Purified)

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.

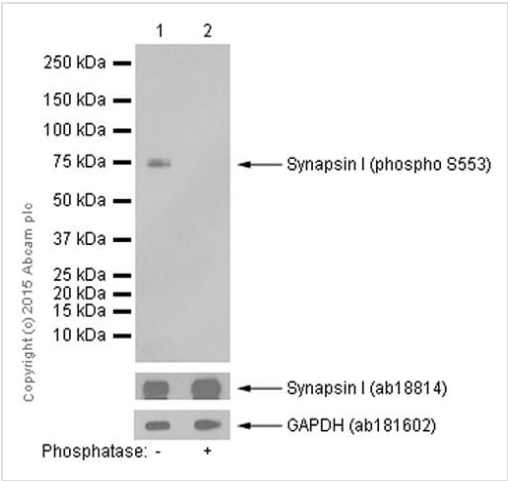
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

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.

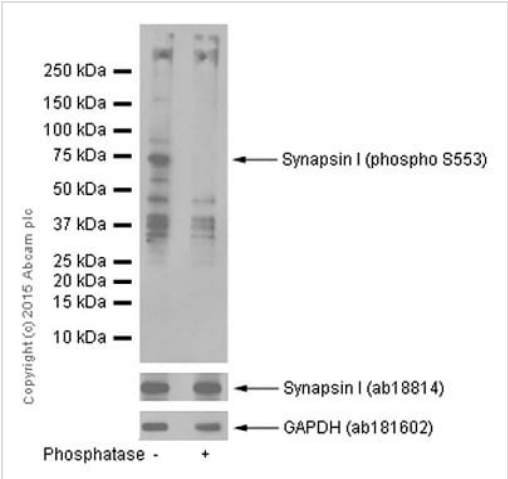
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

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.

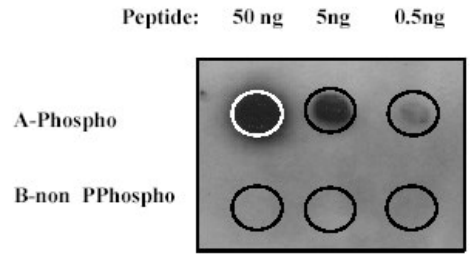
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

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

Exposure time: 3 minutes

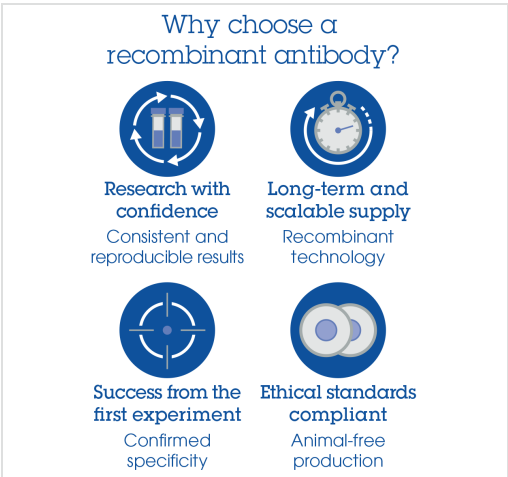
Blocking buffer: 2% BSA/TBST

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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