

### Anti-Synapsin I antibody ab18814

★★★★★ [4 Abreviews](#) [14 References](#) [2 图像](#)

#### 概述

产品名称	Anti-Synapsin I 抗体
描述	兔多克隆抗体 to Synapsin I
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Rat, Human
免疫原	Synthetic peptide corresponding to Human Synapsin I. Corresponds to residues surrounding amino acid 12 of Synapsin I.
常规说明	<p>This product is manufactured by BioVision, an Abcam company and was previously called 6008 Synapsin Antibody. 6008-100 is the same size as the 100 µg size of ab18814.</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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Thimerosal (merthiolate) Constituents: PBS, 50% Glycerol (glycerin, glycerine), 1% BSA
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

The Abpromise guarantee

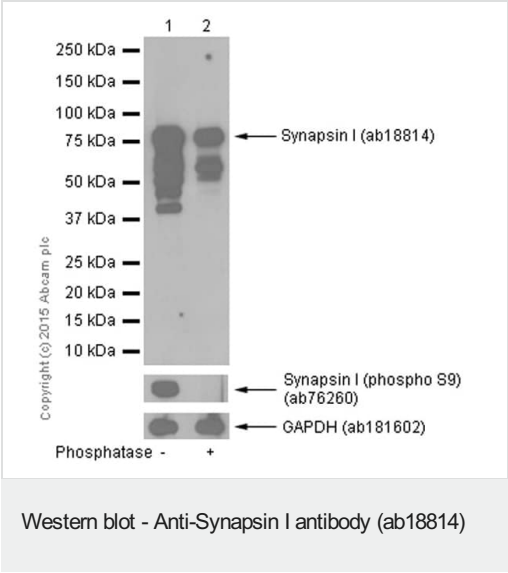
Abpromise™承诺保证使用ab18814于以下的经测试应用

“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	★★★★★ (4)	Use a concentration of 1 µg/ml. Detects a band of approximately 77 kDa (predicted molecular weight: 74 kDa).

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 antibody (ab18814) 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

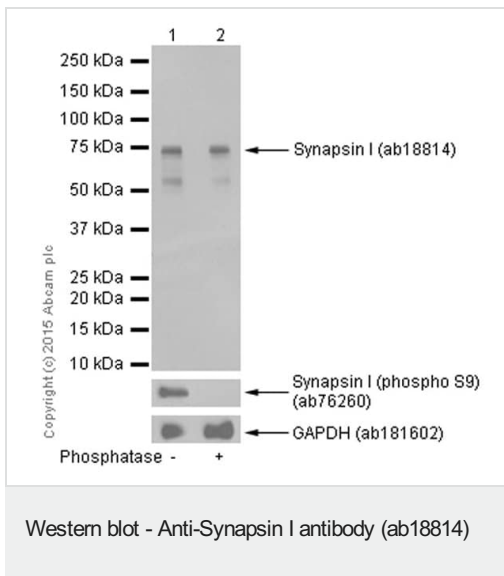
Predicted band size: 74 kDa

Observed band size: 77 kDa

Exposure time: 3 minutes

Blocking and dilution buffer: 5% NFDM/TBST.

Controls - Anti-Synapsin I (phospho S9) antibody [EP2162Y]  
(**ab76260**) and Anti-GAPDH antibody [EPR16891] (**ab181602**).



**All lanes** : Anti-Synapsin I antibody (ab18814) at 1/5000 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:** 15 seconds

Blocking and dilution buffer: 5% NFDM/TBST.

Controls - Anti-Synapsin I (phospho S9) antibody [EP2162Y]  
(**ab76260**) and Anti-GAPDH antibody [EPR16891] (**ab181602**).

**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