

### Anti-Synapsin I antibody ab18814

★★★★★ 4 Abbreviations 14 References 画像数 2

医薬用外劇物

#### 製品の概要

|          |   |
|----------|---|
| 製品名      | Anti-Synapsin I antibody  |
| 製品の詳細    | Rabbit polyclonal to Synapsin I   |
| 由来種      | Rabbit  |
| アプリケーション | 適用あり: WB  |
| 種交差性     | 交差種: Rat, Human   |
| 免疫原      | Synthetic peptide corresponding to Human Synapsin I. Corresponds to residues surrounding amino acid 12 of Synapsin I.   |
| 特記事項     | <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> |

#### 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 or -80°C. Avoid repeated freeze / thaw cycles.       |
| バッファー  | Preservative: 0.02% Thimerosal (merthiolate)<br>Constituents: PBS, 50% Glycerol (glycerin, glycerine), 1% BSA |
| 精製度    | Immunogen affinity purified   |
| ポリ/モノ  | ポリクローナル   |
| 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ab18814の使用に適用されます

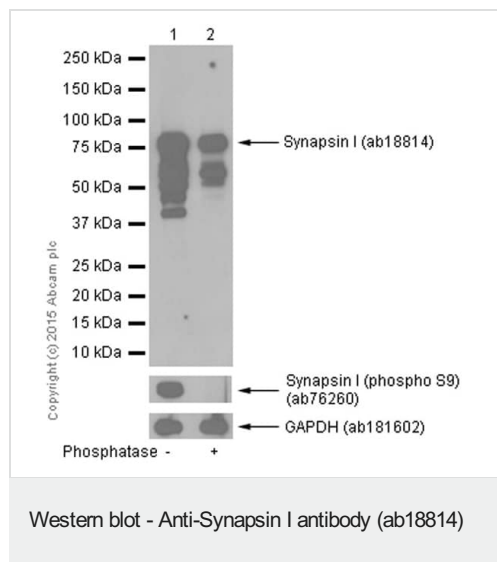
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

| アプリケーション | Abreviews | 特記事項   |
|----------|-----------|--|
| WB       | ★★★★★ (4) | Use a concentration of 1 µg/ml. Detects a band of approximately 77 kDa (predicted molecular weight: 74 kDa). |

## 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



**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

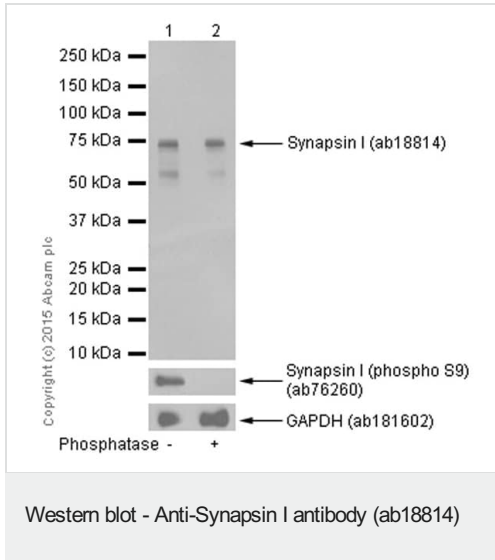
**Observed band size:** 77 kDa

**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"

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