

# Anti-Synaptophysin antibody [EPR1097-2] ab178412

リコンビナント **RabMAb**

## 1 References [画像数 3](#)

### 製品の概要

製品名	Anti-Synaptophysin antibody [EPR1097-2]
製品の詳細	Rabbit monoclonal [EPR1097-2] to Synaptophysin
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB <b>適用なし:</b> Flow Cyt or ICC/IF
種交差性	<b>交差種:</b> 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	Rat brain, PC12, Mouse brain and Human brain lysates; PC12 cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR1097-2
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ab178412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。

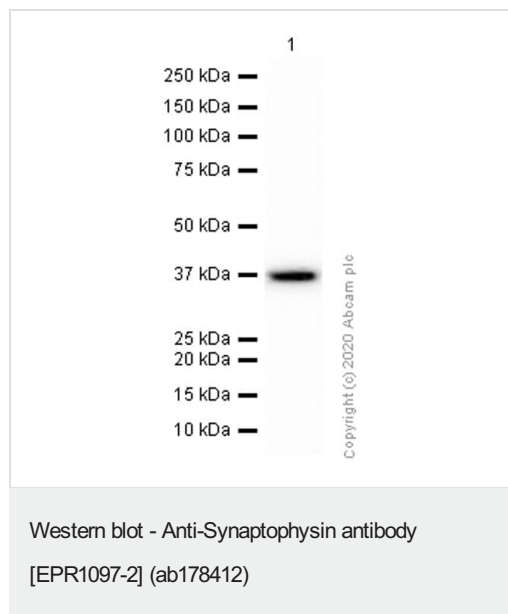
アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 38 kDa (predicted molecular weight: 33 kDa).

**追加情報** Is unsuitable for Flow Cyt or ICC/IF.

## ターゲット情報

<b>機能</b>	Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity.
<b>組織特異性</b>	Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.
<b>関連疾患</b>	Mental retardation, X-linked, SYP-related
<b>配列類似性</b>	Belongs to the synaptophysin/synaptobrevin family. Contains 1 MARVEL domain.
<b>ドメイン</b>	The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein.
<b>翻訳後修飾</b>	Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.
<b>細胞内局在</b>	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Cell junction, synapse, synaptosome.

## 画像



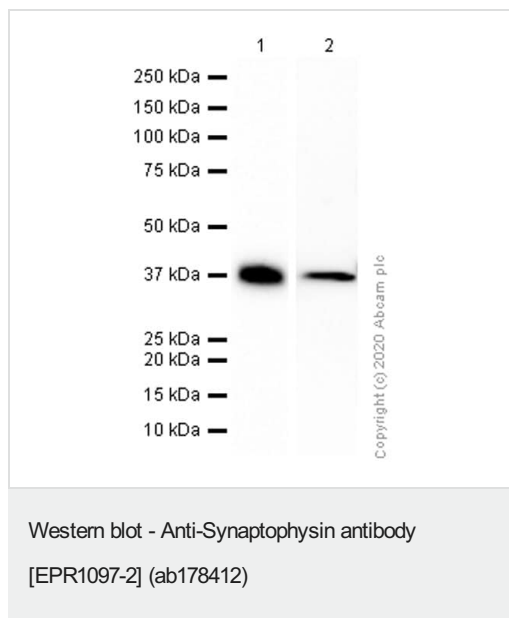
Anti-Synaptophysin antibody [EPR1097-2] (ab178412) at 1/1000 dilution (Purified) + Rat brain lysate at 15 µg

### Secondary

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

**Predicted band size:** 33 kDa

**Observed band size:** 38 kDa



**All lanes :** Anti-Synaptophysin antibody [EPR1097-2] (ab178412)  
at 1/1000 dilution (Purified)

**Lane 1 :** Human brain lysate

**Lane 2 :** Mouse brain lysate

Lysates/proteins at 20 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:** 33 kDa

**Observed band size:** 38 kDa

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-Synaptophysin antibody [EPR1097-2]  
(ab178412)

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