

Anti-Synaptophysin antibody ab7837

★★★★★ [2 Abreviews](#) [11 References](#) [1 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-Synaptophysin抗体 |
| 描述 | 兔多克隆抗体to Synaptophysin |
| 宿主 | Rabbit |
| 特异性 | This antibody reacts with a hydrophilic peptide sequence of synaptophysin. |
| 经测试应用 | 适用于: ICC/IF |
| 种属反应性 | 与反应: Rat |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | ICC/IF: PC12 Cells |
| 常规说明 | <p>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</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&As</p> |

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: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 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ab7837于以下的经测试应用

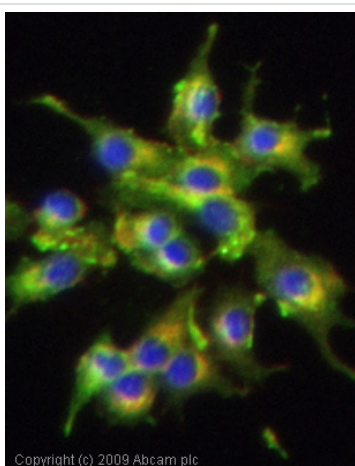
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|--------|------|---------------------------------|
| ICC/IF | | Use a concentration of 1 µg/ml. |

靶标

| | |
|--------------|--|
| 功能 | 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. |
| 组织特异性 | 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. |
| 疾病相关 | Mental retardation, X-linked, SYP-related |
| 序列相似性 | Belongs to the synaptophysin/synaptobrevin family. Contains 1 MARVEL domain. |
| 结构域 | The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein. |
| 翻译后修饰 | Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation. |
| 细胞定位 | Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Cell junction, synapse, synaptosome. |

图片



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Immunocytochemistry/ Immunofluorescence - Anti-Synaptophysin antibody (ab7837)

ICC/IF image of ab7837 stained PC12 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab7837, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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