

**产品名称: SYP Rabbit Polyclonal Antibody**  
**产品货号: APRab18520**



## 产品概述 (Summary)

|                        |                                |
|------------------------|--------------------------------|
| 产品名称 (Production Name) | SYP Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody     |
| 宿主 (Host)              | Rabbit                         |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA            |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | SYP                                                                                                              |
| 别名 (Alternative Names) | SYP; Synaptophysin; Major synaptic vesicle protein p38                                                           |
| 基因 ID (Gene ID)        | 6855.0                                                                                                           |
| 蛋白 ID (SwissProt ID)   | P08247.The antiserum was produced against synthesized peptide derived from human Synaptophysin. AA range:101-150 |

## 产品应用 (Application)

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 38kDa                                                                  |

## 研究背景 (Background)

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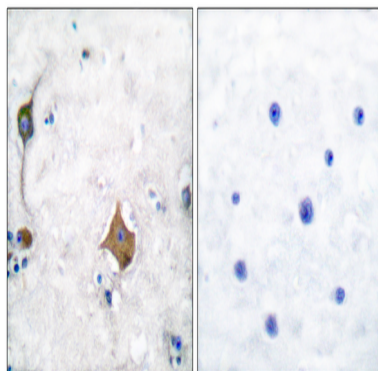


This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with X-linked mental retardation (XLMR). [provided by RefSeq, Aug 2011],domain:The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein.,function:Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane.,online information:Synaptophysin entry,PTM:Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.,similarity:Belongs to the synaptophysin/synaptobrevin family.,similarity:Contains 1 MARVEL domain.,subunit:Homohexamer or homotetramer.,tissue specificity: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.,

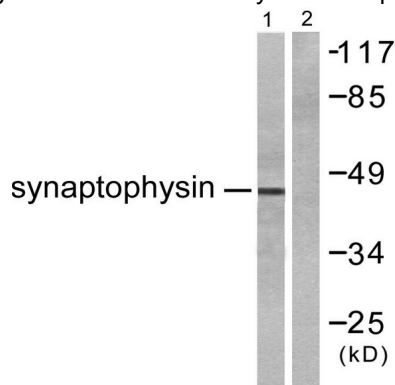
## 研究领域 (Research Area)

Neuroscience

## 图片 (Image Data)

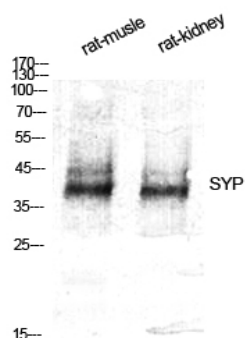


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Synaptophysin Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, using Synaptophysin Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using SYP Polyclonal Antibody diluted at 1: 500

### 注意事项 (Note)

For research use only .