

**产品名称: Phospho-alpha Synuclein (S129) (15T7) Rabbit Monoclonal Antibody**  
**产品货号: AMRe05849**



## 产品概述 (Summary)

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| 产品名称 (Production Name) | Phospho-alpha Synuclein (S129) (15T7) Rabbit Monoclonal Antibody |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody                           |
| 宿主 (Host)              | Rabbit                                                           |
| 应用 (Application)       | WB,IHC                                                           |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                                                  |

## 产品性能 (Performance)

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                                                                                                                 |
| 修饰 (Modification)   | Phosphorylated                                                                                                                                                                               |
| 同种型 (Isotype)       | IgG                                                                                                                                                                                          |
| 克隆 (Clonality)      | Monoclonal                                                                                                                                                                                   |
| 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)       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| 纯化方式 (Purification) | Affinity purification                                                                                                                                                                        |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | SNCA                                                                                                                                  |
| 别名 (Alternative Names) | NACP; Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; SYN; SYUA; alpha-synuclein; PARK1; PARK4; PD1; SNCA; |
| 基因 ID (Gene ID)        | 6622.0                                                                                                                                |
| 蛋白 ID (SwissProt ID)   | P37840.                                                                                                                               |

## 产品应用 (Application)

|                          |                                  |
|--------------------------|----------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:1000-1:5000,IHC 1:200-1:500 |
| 蛋白分子量 (Molecular Weight) | 14kDa                            |

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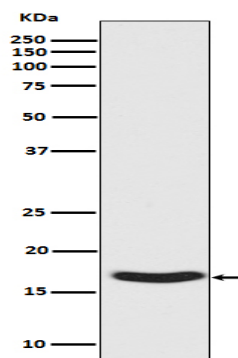
## 研究背景 (Background)

Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. Neuronal protein that plays several roles in synaptic activity such as regulation of synaptic vesicle trafficking and subsequent neurotransmitter release. Participates as a monomer in synaptic vesicle exocytosis by enhancing vesicle priming, fusion and dilation of exocytotic fusion pores (PubMed:[28288128](http://www.uniprot.org/citations/28288128), PubMed:[30404828](http://www.uniprot.org/citations/30404828)). Mechanistically, acts by increasing local  $Ca^{2+}$  release from microdomains which is essential for the enhancement of ATP-induced exocytosis (PubMed:[30404828](http://www.uniprot.org/citations/30404828)). Acts also as a molecular chaperone in its multimeric membrane-bound state, assisting in the folding of synaptic fusion components called SNAREs (Soluble NSF Attachment Protein REceptors) at presynaptic plasma membrane in conjunction with cysteine string protein-alpha/DNAJC5 (PubMed:[20798282](http://www.uniprot.org/citations/20798282)). This chaperone activity is important to sustain normal SNARE-complex assembly during aging (PubMed:[20798282](http://www.uniprot.org/citations/20798282)). Plays also a role in the regulation of the dopamine neurotransmission by associating with the dopamine transporter (DAT1) and thereby modulating its activity (PubMed:[26442590](http://www.uniprot.org/citations/26442590)).

## 研究领域 (Research Area)

Neuroscience

## 图片 (Image Data)



Western blot analysis of Synuclein phosphorylation expression in Human fetal brain lysate.

## 注意事项 (Note)

For research use only .

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