




# Anti-Alpha-synuclein (phospho S129) antibody [P-syn/81A] ab184674

★★★★★ **2 Abreviews** **24 References** **1 图像**

### 概述

产品名称	Anti-Alpha-synuclein (phospho S129)抗体[P-syn/81A]
描述	小鼠单克隆抗体[P-syn/81A] to Alpha-synuclein (phospho S129)
宿主	Mouse
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 预测可用于: Rat, Cow, Pig, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide corresponding to Human Alpha-synuclein aa 100 to the C-terminus (phospho S129) conjugated to keyhole limpet haemocyanin (Cysteine residue). Database link: <b><u>P37840</u></b>  <b><u>Run BLAST with</u></b>  <b><u>Run BLAST with</u></b>
阳性对照	IHC-P: Diseased human brain tissue.
常规说明	<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>

### 性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.09% Sodium azide Constituent: 99.91% PBS
纯度	Affinity purified
克隆	单克隆

克隆编号	P-syn/81A
同种型	IgG2a

应用

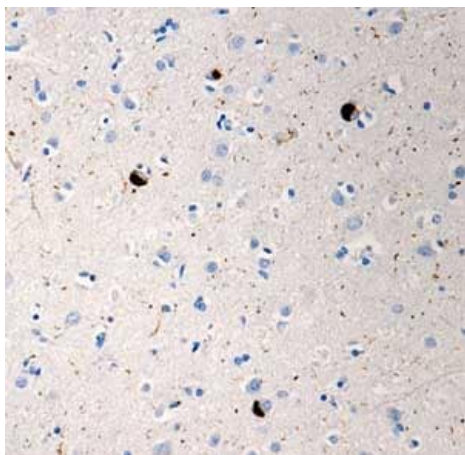
The Abpromise guarantee      **Abpromise™**承诺保证使用ab184674于以下的经测试应用

“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
IHC-P		1/500 - 1/1000. Retrieve antigens with 70% Formic acid for 10-30 minutes at room temperature before commencing with IHC staining protocol.

靶标

功能	May be involved in the regulation of dopamine release and transport. Induces fibrillization of microtubule-associated protein tau. Reduces neuronal responsiveness to various apoptotic stimuli, leading to a decreased caspase-3 activation.
组织特异性	Expressed principally in brain but is also expressed in low concentrations in all tissues examined except in liver. Concentrated in presynaptic nerve terminals.
疾病相关	Genetic alterations of SNCA resulting in aberrant polymerization into fibrils, are associated with several neurodegenerative diseases (synucleinopathies). SNCA fibrillar aggregates represent the major non A-beta component of Alzheimer disease amyloid plaque, and a major component of Lewy body inclusions. They are also found within Lewy body (LB)-like intraneuronal inclusions, glial inclusions and axonal spheroids in neurodegeneration with brain iron accumulation type 1. Parkinson disease 1 Parkinson disease 4 Dementia Lewy body
序列相似性	Belongs to the synuclein family.
结构域	The 'non A-beta component of Alzheimer disease amyloid plaque' domain (NAC domain) is involved in fibrils formation. The middle hydrophobic region forms the core of the filaments. The C-terminus may regulate aggregation and determine the diameter of the filaments.
翻译后修饰	Phosphorylated, predominantly on serine residues. Phosphorylation by CK1 appears to occur on residues distinct from the residue phosphorylated by other kinases. Phosphorylation of Ser-129 is selective and extensive in synucleinopathy lesions. In vitro, phosphorylation at Ser-129 promoted insoluble fibril formation. Phosphorylated on Tyr-125 by a PTK2B-dependent pathway upon osmotic stress. Hallmark lesions of neurodegenerative synucleinopathies contain alpha-synuclein that is modified by nitration of tyrosine residues and possibly by dityrosine cross-linking to generated stable oligomers. Ubiquitinated. The predominant conjugate is the diubiquitinated form. Acetylation at Met-1 seems to be important for proper folding and native oligomeric structure.
细胞定位	Cytoplasm, cytosol. Membrane. Nucleus. Cell junction, synapse. Secreted. Membrane-bound in dopaminergic neurons.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded diseased human brain tissue labeling alpha Synuclein (phospho S129) with ab184674 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Alpha-synuclein (phospho S129) antibody [P-syn/81A] (ab184674)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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