# abcam

### **Product datasheet**

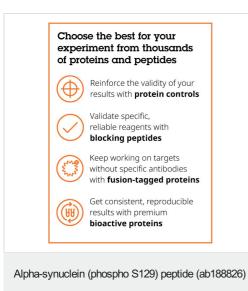
## Alpha-synuclein (phospho S129) peptide ab188826

**5 References** 1图像

描述		
产品名称	Alpha-synuclein (phospho S129)多肽	
Accession	<u>P37840</u>	
<b>无</b> 动 <b>物成分</b>	No	
性质	Synthetic	
技术指标		
Our <u>Abpromise guarant</u> e	ee covers the use of ab188826 in the following tested applications.	
The application notes inclu	ude recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Blocking - Blocking peptide for Anti-Alpha-synuclein (phospho S129) antibody [EP1536Y] ( <b>ab51253</b> )	
形式	Lyophilized	
补 <b>充</b> 说 <b>明</b>	<ul> <li>First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.</li> <li>If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.</li> <li>Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.</li> <li>Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.</li> <li>Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.</li> </ul>	
制备和贮存		
稳定性和存储	Shipped at 4°C. Store at -20°C.	
	Information available upon request.	
常规信息		
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	

细胞定位	Cytoplasm, cytosol. Membrane. Nucleus. Cell junction, synapse. Secreted. Membrane-bound in dopaminergic neurons.
<b>翻译后修</b> 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.
结 <b>构域</b>	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.
序列相似性	Belongs to the synuclein family.
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
组织 <b>特异性</b>	Expressed principally in brain but is also expressed in low concentrations in all tissues examined except in liver. Concentrated in presynaptic nerve terminals.
	stimuli, leading to a decreased caspase-3 activation.

图片



To learn more about our protein and peptide range click here.

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <u>https://www.abcam.cn/abpromise</u> or contact our technical team.

### **Terms and conditions**

• Guarantee only valid for products bought direct from Abcam or one of our authorized distributors