# abcam

### Product datasheet

## Anti-Alpha-synuclein antibody [syn211] ab80627

★★★★★ 4 Abreviews 26 References 1 图像

概述

产**品名称** Anti-Alpha-synuclein抗体[syn211]

描述 小鼠单克隆抗体[syn211] to Alpha-synuclein

宿主 Mouse

经测试应用 适用于: WB

不适用于: Flow Cyt or IHC-P

种属反应性 与反应: Human

不与反应: Mouse, Rat

免疫原 Recombinant full length protein corresponding to Human Alpha-synuclein. Human recombinant

alpha Synuclein.

阳性对照 WB: Human cerebellum tissue lysate.

常规说明 This product was changed from ascites to tissue culture supernatant on 16/Jul/19. Lot numbers

higher than GR3282717 are from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our

scientific support team.

This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or

conjugation for your experiments, please contact orders@abcam.com.

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.

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

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: 0.02% Sodium azide

Constituents: PBS, 6.97% L-Arginine

1

纯度 Protein G purified **纯化说明** Purified from TCS.

 克隆
 单克隆

 克隆编号
 syn211

 同种型
 lgG1

#### 应用

The Abpromise guarantee Abpromise™承诺保证使用ab80627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
WB		Use a concentration of 5 μg/ml. Predicted molecular weight: 14 kDa.

应用说明 Is unsuitable for Flow Cyt or IHC-P.

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.

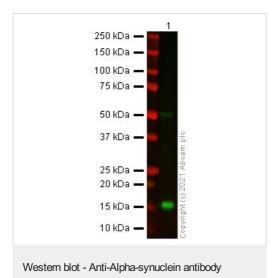
Hallmark lesions of neurodegenerative synucleinopathies contain alpha-synuclein that is modified by nitration of tyrosine residues and possibly by dityrosine cross-linking to generated stable

oligomers.

Ubiquitinated. The predominant conjugate is the diubiquitinated form.

Acetylation at Met-1 seems to be important for proper folding and native oligomeric structure.

#### 图片



[syn211] (ab80627)

Anti-Alpha-synuclein antibody [syn211] (ab80627) at 5 µg/ml + Human cerebellum tissue lysate at 20 µg

#### Secondary

Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed (ab216772) at 1/10000 dilution

**Predicted band size:** 14 kDa **Observed band size:** 14 kDa

This blot was produced using a 4-12% Bis-tris under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was blocked for an hour using 3% milk before being incubated overnight at 4°C at a 5ug/ml concentration. Antibody binding was detected using Goat anti-Mouse lgG H&L (IRDye® 800CW) preadsorbed (ab216772) secondary antibody at 1/10000 dilution for 1 hour at room temperature before imaging.

 $\textbf{Please note:} \ \ \textbf{All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"}$ 

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