

# Anti-beta Synuclein antibody [EP1537Y] ab76111

RabMAb

**11 References**    **画像数 8**

### 製品の概要

製品名	Anti-beta Synuclein antibody [EP1537Y]
製品の詳細	Rabbit monoclonal [EP1537Y] to beta Synuclein
由来種	Rabbit
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human, Recombinant fragment
免疫原	Synthetic peptide within Human beta Synuclein aa 50-150. The exact sequence is proprietary. Database link: <a href="#">Q16143</a>
ポジティブ・コントロール	WB: Human, mouse, and rat brain tissue lysate; IP: Human brain lysate; Flow Cyt (intra): PC-12 cells; ICC/IF: PC-12 cells; IHC: Human, mouse and rat cerebellum tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1537Y

## アプリケーション

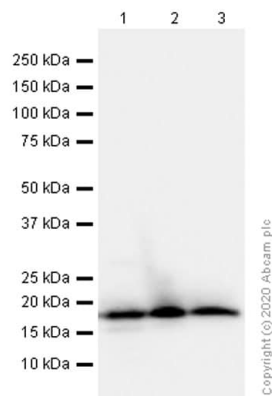
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab76111の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100.
WB		1/5000 - 1/20000. Detects a band of approximately 18 kDa (predicted molecular weight: 14 kDa).
IP		1/20. For unpurified use at 1/40
IHC-P		1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For unpurified use at 1/100-1/250 dilution
ICC/IF		1/100. <b>For unpurified use at 1/100-1/250 dilution.</b>

## ターゲット情報

機能	Non-amyloid component of senile plaques found in Alzheimer disease. Could act as a regulator of SNCA aggregation process. Protects neurons from staurosporine and 6-hydroxy dopamine (6OHDA)-stimulated caspase activation in a p53/TP53-dependent manner. Contributes to restore the SNCA anti-apoptotic function abolished by 6OHDA. Not found in the Lewy bodies associated with Parkinson disease.
組織特異性	Expressed predominantly in brain; concentrated in presynaptic nerve terminals.
配列類似性	Belongs to the synuclein family.
翻訳後修飾	Phosphorylated. Phosphorylation by G-protein coupled receptor kinases (GRK) is more efficient than phosphorylation by CK1, CK2 and CaM-kinase II.
細胞内局在	Cytoplasm.

## 画像



Western blot - Anti-beta Synuclein antibody  
[EP1537Y] (ab76111)

**All lanes :** Anti-beta Synuclein antibody [EP1537Y] (ab76111) at 1/10000 dilution (purified)

**Lane 1 :** Human brain lysate

**Lane 2 :** Mouse brain lysate

**Lane 3 :** Rat brain lysate

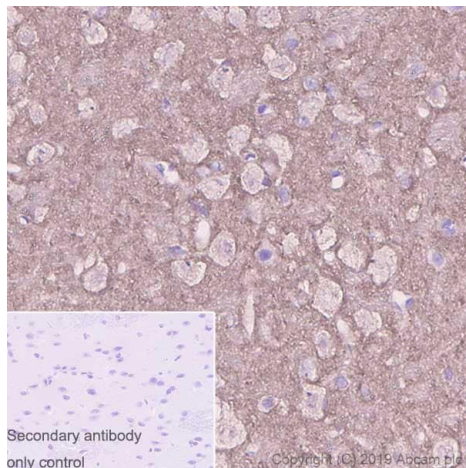
Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

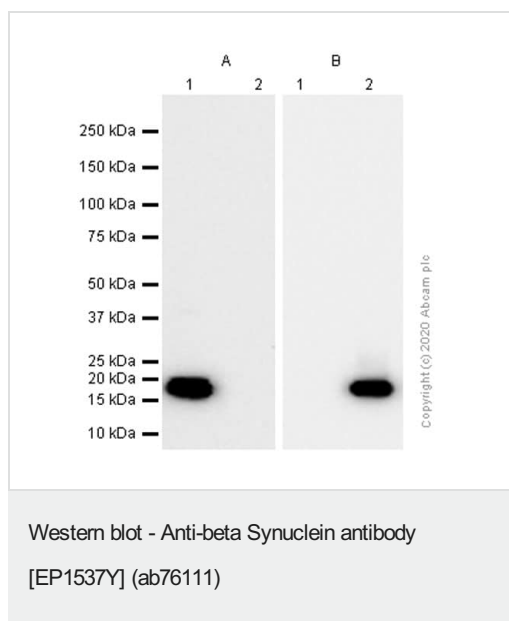
**Predicted band size:** 14 kDa

**Observed band size:** 18 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Synuclein antibody  
[EP1537Y] (ab76111)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebrum tissue sections labeling beta Synuclein with purified ab76111 at 1/50 dilution (2.4 µg/mL). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



**All lanes :** Anti-beta Synuclein antibody [EP1537Y] (ab76111) at 1/10000 dilution (purified)

**Lane 1 :** His-Tagged human beta Synuclein (aa 1 to 134) recombinant protein

**Lane 2 :** His-Tagged alpha synuclein (aa 1 to 140) recombinant protein

Lysates/proteins at 0.015 µg per lane.

### Secondary

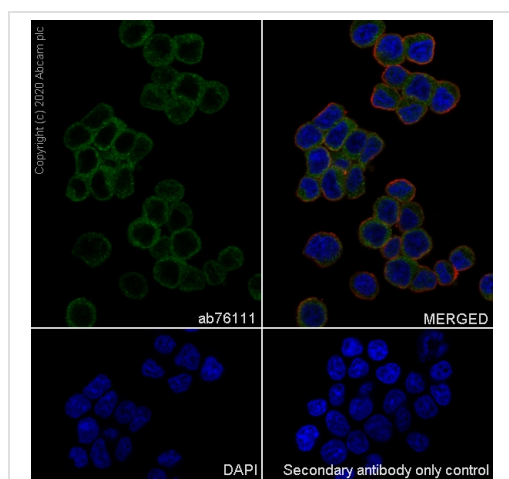
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 14 kDa

**Observed band size:** 18 kDa

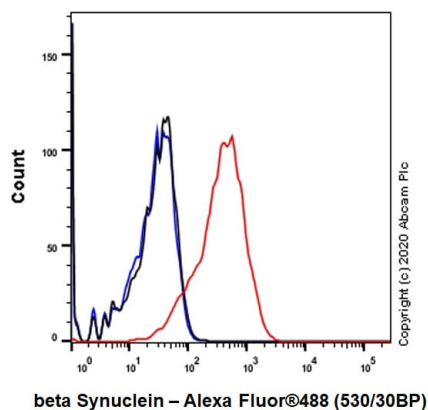
A: Anti-beta Synuclein antibody [EP1537Y] (ab76111)

B: Anti-Alpha-synuclein antibody [MJFR1] ([ab138501](#))



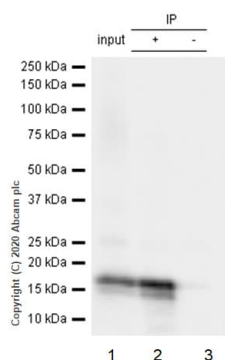
Immunocytochemistry/ Immunofluorescence - Anti-beta Synuclein antibody [EP1537Y] (ab76111)

Immunocytochemistry/ Immunofluorescence analysis of PC-12 (Rat adrenal gland pheochromocytoma) cells labeling beta Synuclein with purified ab76111 at 1/50 dilution (2.4 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% TritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-beta Synuclein antibody [EP1537Y] (ab76111)

Intracellular Flow Cytometry analysis of PC-12 (Rat adrenal gland pheochromocytoma) cells labeling beta Synuclein with purified ab76111 at 1/100 dilution (10µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-beta Synuclein antibody [EP1537Y] (ab76111)

Purified ab76111 at 1/20 dilution (0.6 µg) immunoprecipitating beta Synuclein in Human brain lysate.

Lane 1 (input): Human brain lysate 10 µg

Lane 2 (+): ab76111 + Human brain lysate.

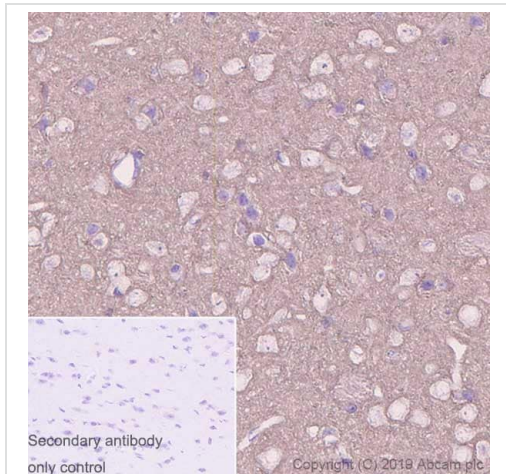
Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab76111 in Human brain lysate.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

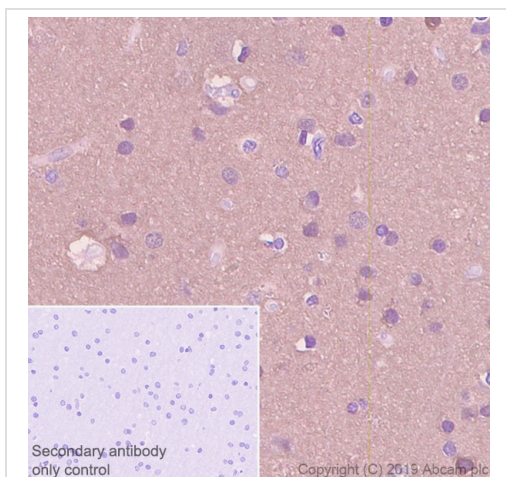
Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 18 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Synuclein antibody [EP1537Y] (ab76111)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebrum tissue sections labeling beta Synuclein with purified ab76111 at 1/50 dilution (2.4 µg/mL). Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Synuclein antibody [EP1537Y] (ab76111)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cerebrum tissue sections labeling beta Synuclein with purified ab76111 at 1/50 dilution (2.4 µg/mL). Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

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