abcam

Product datasheet

Anti-Syntaxin antibody [EPR15139(B)] ab188583

重组 RabMAb

4 References 13 图像

概述

产品名称	Anti-Syntaxin抗体[EPR15139(B)]
描述	兔单克隆抗体[EPR15139(B)] to Syntaxin
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, IHC-P, WB, IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human fetal brain and human glioma lysates. WB: Mouse, rat and human cerebellum tissue lysate. IHC-P: Mouse, rat and human cerebrum tissue. ICC/IF: Mouse and rat primary neural/glia cells
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR15139(B)

同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab188583于以下的经测试应用**

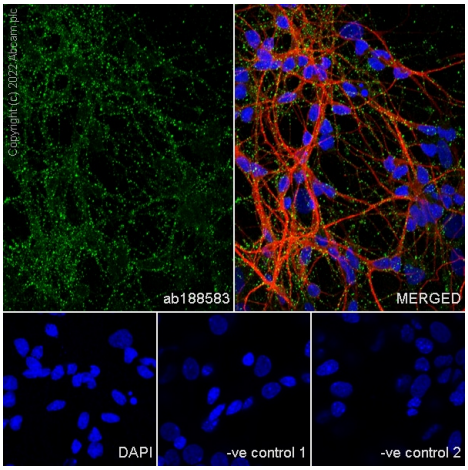
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
IHC-P		1/10000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/10000 - 1/50000. Predicted molecular weight: 33 kDa.
IP		1/40 - 1/60.

靶标

功能	Potentially involved in docking of synaptic vesicles at presynaptic active zones. May mediate Ca(2+)-regulation of exocytosis acrosomal reaction in sperm.
序列相似性	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
翻译后修饰	Phosphorylated by CK2.
细胞定位	Membrane.

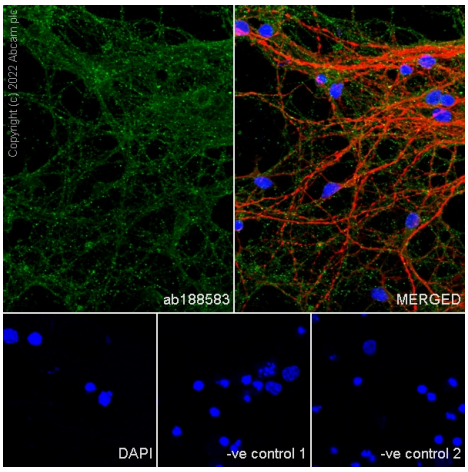
图片



Immunocytochemistry/ Immunofluorescence - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized rat primary neural/glia cells labelling Syntaxin with ab188583 at 1/100 dilution (10.85 ug/ml), followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (2 ug/ml) (Green). **ab11267** Anti-MAP2 mouse monoclonal antibody was used for counterstaining at 1/500 dilution (4ug/ml) with counterstain secondary antiobdy **ab150120** Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) used at 1/1000 dilution (2µg/mL) (Red). The Nuclear counterstain was DAPI (Blue). -ve control 1: ab188583 used at 1/100 dilution with counterstain secondary antibody only **ab150120** Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) used at 1/1000 dilution. -ve control 2: **ab11267** used at 1/500 dilution with target secondary antibody only **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed used at 1/1000 dilution.

Confocal image showing positive staining in rat primary neuron. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection.



Immunocytochemistry/ Immunofluorescence - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

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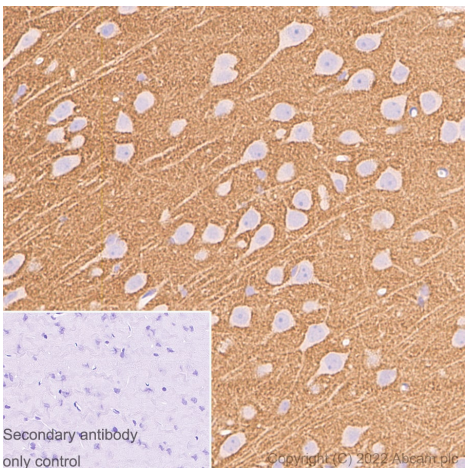
Confocal image showing positive staining in mouse primary neuron. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection.

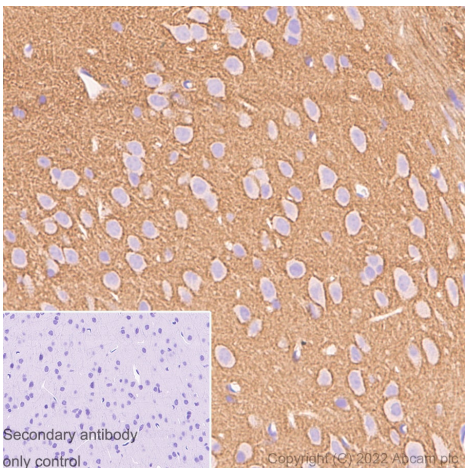


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Immunohistochemical analysis of paraffin-embedded Rat cerebrum tissue labeling Syntaxin with ab188583 at 1/10000 dilution (0.109 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used. The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 20 mins.

Positive staining on rat cerebrum. The section was incubated with ab188583 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

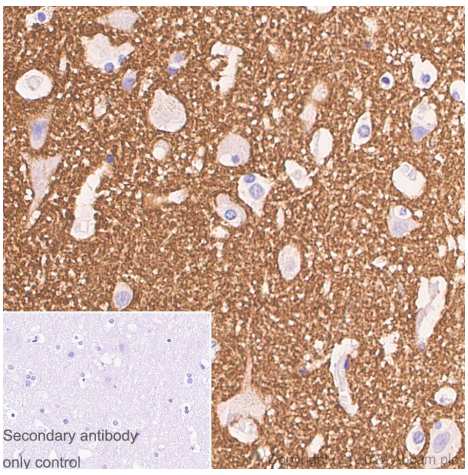


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling Syntaxin with ab188583 at 1/10000 dilution (0.109 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used. The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 20 mins.

Positive staining on mouse cerebrum. The section was incubated with ab188583 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

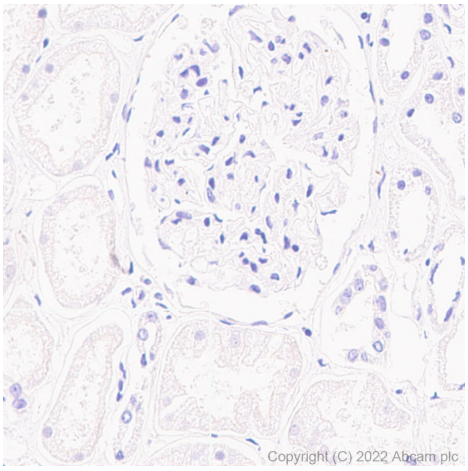


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Immunohistochemical analysis of paraffin-embedded Human cerebrum tissue labeling Syntaxin with ab188583 at 1/10000 dilution (0.109 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used. The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 20 mins.

Positive staining on human cerebrum. The section was incubated with ab188583 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

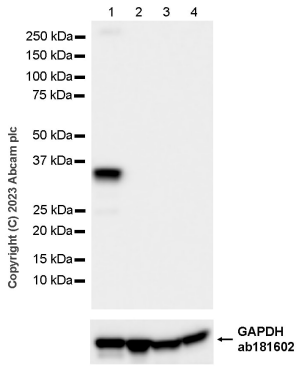


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling Syntaxin with ab188583 at 1/10000 dilution (0.109 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used. The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 20 mins.

Negative control: no staining on human kidney. The section was incubated with ab188583 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

All lanes : Anti-Syntaxin antibody [EPR15139(B)] (ab188583) at 1/1000 dilution

Lane 1 : Rat cerebellum tissue lysate
Lane 2 : Rat heart tissue lysate
Lane 3 : Rat kidney tissue lysate
Lane 4 : Rat spleen tissue 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

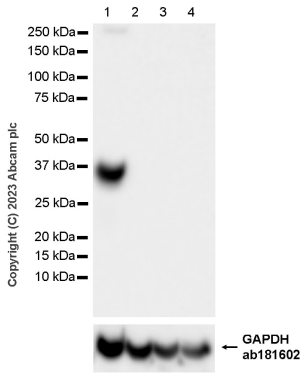
Predicted band size: 33 kDa
Observed band size: 33 kDa

Exposure time: 1 second

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

ab181602 was used as a GAPDH loading control.

Negative control: rat heart, rat kidney and rat spleen.
In Western blot, anti-GAPDH antibody (**ab181602**) staining at 1/20, 0000 dilution.



Western blot - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

All lanes : Anti-Syntaxin antibody [EPR15139(B)] (ab188583) at 1/1000 dilution

Lane 1 : Mouse cerebellum tissue lysate
Lane 2 : Mouse heart tissue lysate
Lane 3 : Mouse kidney tissue lysate
Lane 4 : Mouse spleen tissue 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

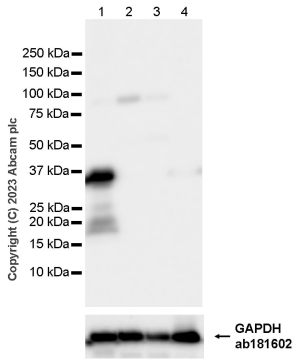
Predicted band size: 33 kDa
Observed band size: 33 kDa

Exposure time: 1 second

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

ab181602 was used as a GAPDH loading control.

Negative control: mouse heart, mouse kidney and mouse spleen.
In Western blot, anti-GAPDH antibody (**ab181602**) staining at 1/20, 0000 dilution.



Western blot - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

All lanes : Anti-Syntaxin antibody [EPR15139(B)] (ab188583) at 1/1000 dilution

Lane 1 : Human cerebellum tissue lysate
Lane 2 : Human heart tissue lysate
Lane 3 : Human kidney tissue lysate
Lane 4 : Human spleen tissue 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

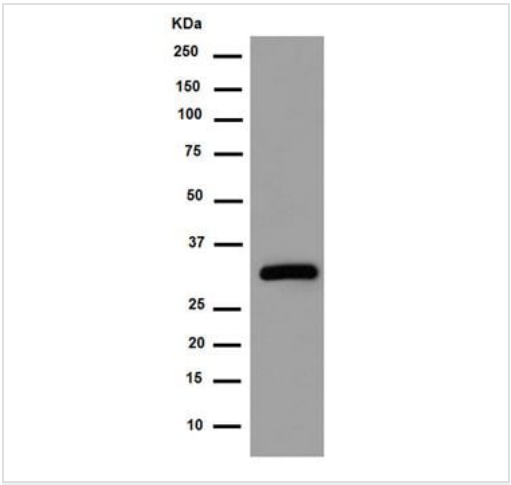
Predicted band size: 33 kDa
Observed band size: 33 kDa

Exposure time: 1 second

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

ab181602 was used as a GAPDH loading control.

Negative control: human heart, human kidney and human spleen.
In Western blot, anti-GAPDH antibody (**ab181602**) staining at 1/20, 0000 dilution.



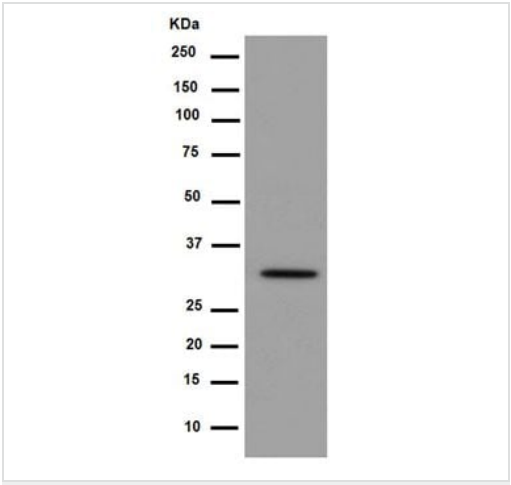
Western blot - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Anti-Syntaxin antibody [EPR15139(B)] (ab188583) at 1/50000 dilution + Human fetal brain tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 33 kDa



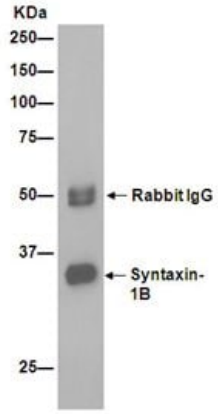
Western blot - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Anti-Syntaxin antibody [EPR15139(B)] (ab188583) at 1/50000 dilution + Human glioma tissue lysate at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/500 dilution

Predicted band size: 33 kDa



Immunoprecipitation - Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

Immunoprecipitation of Human fetal brain lysates using ab188583. Detection of Syntaxin utilised ab188583 at 1/50 dilution and Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution.

Anti-Syntaxin antibody [EPR15139(B)] (ab188583)

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