


Anti-Chromogranin A antibody ab45179

★★★★★ [9 Abreviews](#) [26 References](#) [8 图像](#)

概述

产品名称	Anti-Chromogranin A抗体
描述	兔多克隆抗体to Chromogranin A
宿主	Rabbit
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Dog, Pig, Monkey 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: PC-12 and SH-SY5Y cell lysates. IHC-P: Human pancreatic tissue and adenocarcinoma of pancreas tissue. ICC/IF: Panc-1 and SHSY5Y cells.
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&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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
纯度	Affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab45179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	★★★★★ (8)	1/200. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols . For unpurified use at 1/100 - 1/250. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		Use a concentration of 5 µg/ml. For unpurified use at 1/50 - 1/100.
WB		1/2000. Detects a band of approximately 86 kDa. For unpurified use at 1/10000.

靶标

功能

Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.

序列相似性

Belongs to the chromogranin/secretogranin protein family.

翻译后修饰

Sulfated on tyrosine residues and/or contains sulfated glycans.
O-glycosylated with core 1 or possibly core 8 glycans.

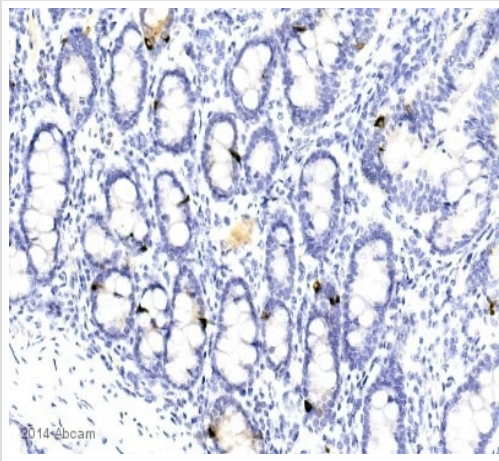
细胞定位

Secreted. Neuroendocrine and endocrine secretory granules.

形式

According to the Swiss-Prot database, this protein has many different forms which correspond to various molecular weights; thus the possible variation from the predicted molecular weight of 51kDa.

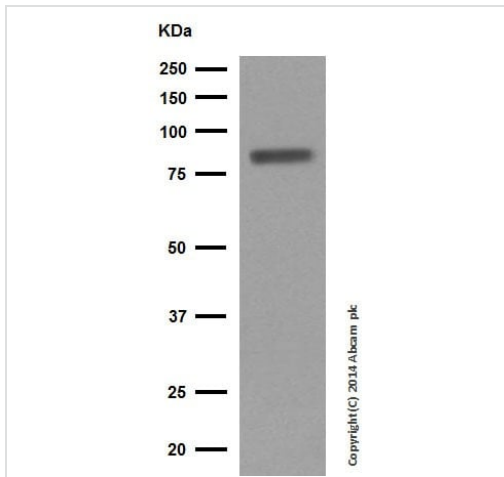
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody (ab45179)

This image is courtesy of an abreview submitted by Carl Hobbs, King's College London, United Kingdom

Unpurified ab45179 staining Chromogranin A in pig small intestine tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 1% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/750 in blocking buffer) for 2 hours at 21°C. A Biotin-conjugated Goat anti-rabbit IgG polyclonal (1/250) was used as the secondary antibody.



Western blot - Anti-Chromogranin A antibody (ab45179)

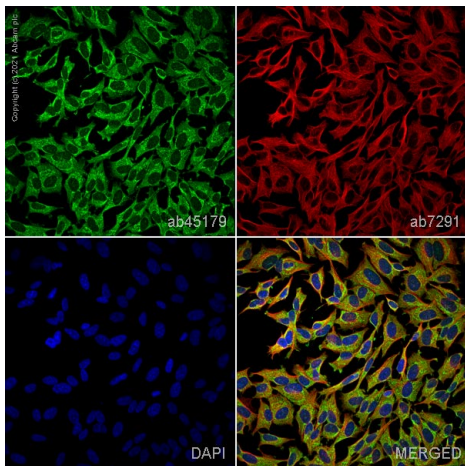
Anti-Chromogranin A antibody (ab45179) at 1/5000 dilution (purified) + SH-SY5Y cell lysate at 10 µg

Secondary

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

Observed band size: 86 kDa

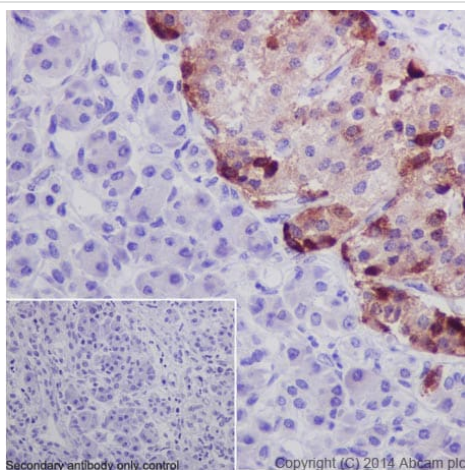
Blocking and diluting buffer: 5% NFD/MTBST.



Immunocytochemistry/ Immunofluorescence - Anti-Chromogranin A antibody (ab45179)

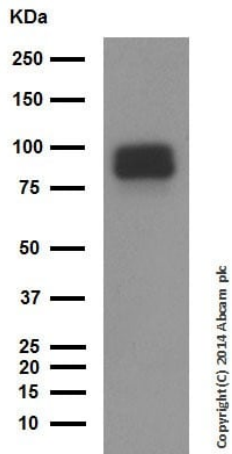
ab45179 staining Chromogranin A in SHSY5Y cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab45179 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody (ab45179)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human adenocarcinoma of pancreas tissue labelling Chromogranin A with purified ab45179 at 1/200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Western blot - Anti-Chromogranin A antibody (ab45179)

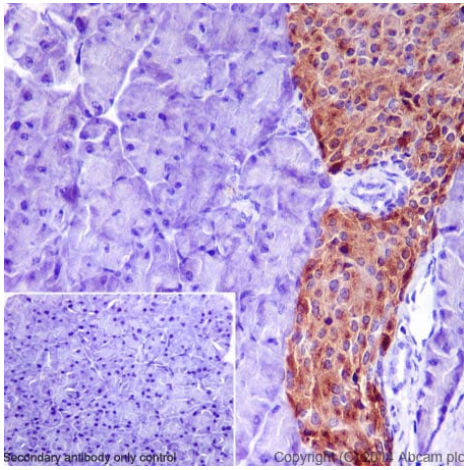
Anti-Chromogranin A antibody (ab45179) at 1/1000 dilution (purified) + PC-12 cell lysate at 20 µg

Secondary

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

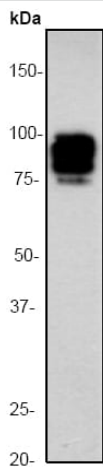
Observed band size: 86 kDa

Blocking and diluting buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody (ab45179)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse pancreas tissue labelling Chromogranin A with purified ab45179 at 1/200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



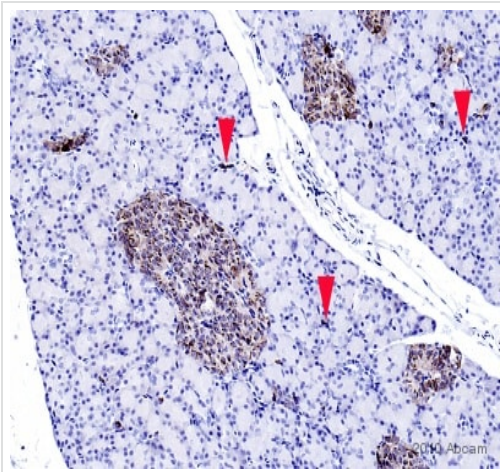
Western blot - Anti-Chromogranin A antibody (ab45179)

Anti-Chromogranin A antibody (ab45179) at 1/10000 dilution (unpurified) + PC-12 cell lysate at 10 µg

Secondary

HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

Observed band size: 86 kDa



Chromogranin A staining on monkey pancreas sections. The sections were subjected to heat mediated epitope retrieval using citric acid (pH 6) and blocked using 1% BSA for 10 mins at 21°C. Unpurified ab45179 was used at a dilution of 1/750 using TBS/BSA/Azide for 2 hours at 21°C. (Red arrowheads indicate extra islet positive cells).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody (ab45179)

This image is courtesy of an abreview submitted by Carl Hobbs, King's College London, United Kingdom

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