


Anti-Chromogranin A antibody ab85554

★★★★☆ [4 Abreviews](#) [7 References](#) [5 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, WB, IP, ICC/IF
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Horse, Cow, Dog, Pig, Monkey 
免疫原	Synthetic peptide corresponding to Human Chromogranin A aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as ab237601 , ab93753)
阳性对照	Recombinant Human Chromogranin A protein (ab85486) can be used as a positive control in WB. This antibody gave a positive signal in human pancreas tissue lysate. This antibody gave a positive result when used in the following formaldehyde/methanol fixed cell line:PANC-1. ICC/IF: 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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our

	scientific support team who will be happy to help.
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab85554于以下的经测试应用

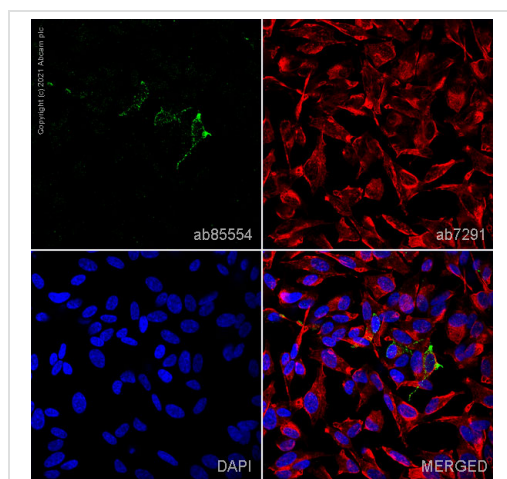
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (4)	Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).
IP		Use a concentration of 5 µg/ml.
ICC/IF		Use a concentration of 1 - 5 µg/ml.

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.

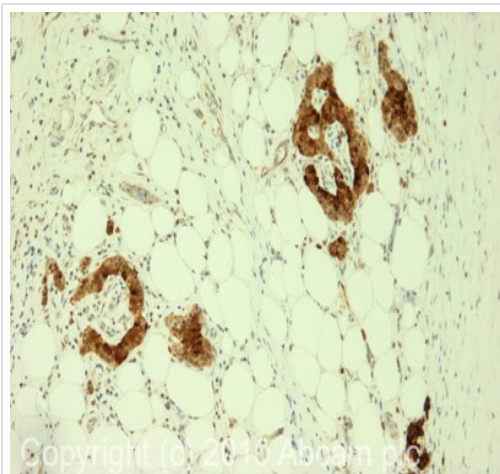
图片



Immunocytochemistry/ Immunofluorescence - Anti-Chromogranin A antibody (ab85554)

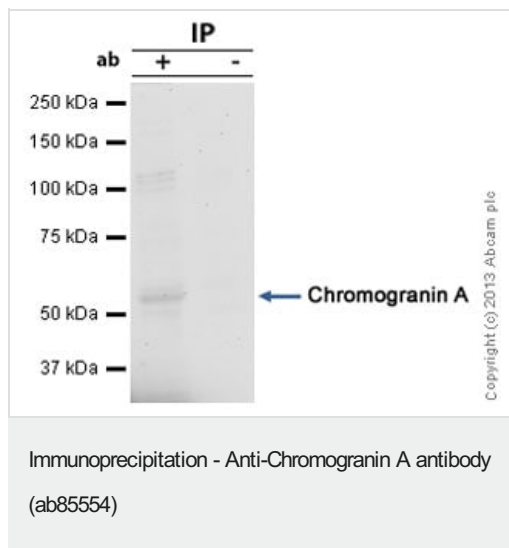
ab85554 staining Chromogranin-A precursor in SHSY5Y cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab85554 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 **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed 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 (ab85554)

IHC image of Chromogranin A staining in Human Pancreas Adenocarcinoma FFPE section, performed on a Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab85554, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX



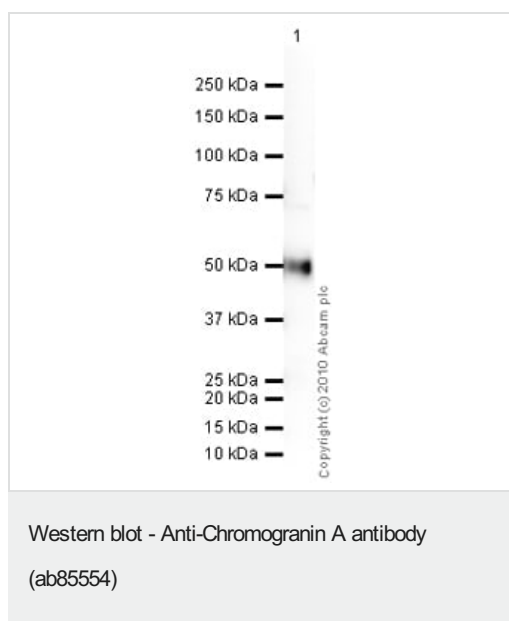
Chromogranin A was immunoprecipitated using 0.5mg Mouse Pancreas tissue lysate, 5µg of Rabbit polyclonal to and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Mouse Pancreas tissue lysate lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab85554.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) ([ab99697](#)).

Band: 50kDa; Chromogranin A



Anti-Chromogranin A antibody (ab85554) at 1 µg/ml + Human pancreas tissue lysate - total protein ([ab29816](#)) at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

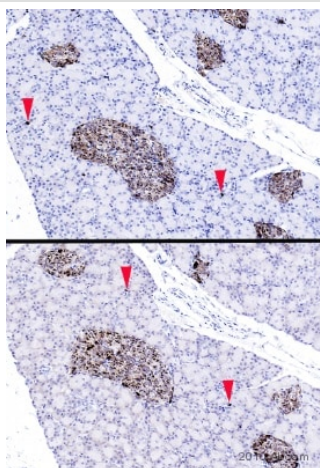
Performed under reducing conditions.

Predicted band size: 50 kDa

Observed band size: 50 kDa

Additional bands at: 72 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes



IHC image of Chromogranin A staining in Monkey Pancreas sections, performed. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6). Sections were subjected to 2% H₂O₂ then Avidin-Biotin to block endogenous peroxidases/biotin. The section was then incubated with ab85554, 1/5000, for 2 hours at 12°C. The section was then counterstained with haematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody (ab85554)

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

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