# Anti-Chromogranin A antibody ab15160

## Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-Chromogranin A antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to Chromogranin A</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: IHC-Fr, WB, ICC/IF, IHC-P</td>
</tr>
<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Mouse, Human, Monkey</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Recombinant fragment within Human Chromogranin A aa 250 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: P10645</td>
</tr>
<tr>
<td><strong>Positive control</strong></td>
<td>Pancreas</td>
</tr>
<tr>
<td><strong>General notes</strong></td>
<td>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</td>
</tr>
</tbody>
</table>

## Properties

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
| **Storage buffer** | pH: 7.60  
Preservative: 0.1% Sodium azide  
Constituents: PBS, 1% BSA |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

## Applications

Our Abpromise guarantee covers the use of ab15160 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.

Belongs to the chromogranin/secretogranin protein family.

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

Secreted. Neuroendocrine and endocrine secretory granules.

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.

**Application** | **Abreviews** | **Notes**
--- | --- | ---
IHC-Fr |  | Use at an assay dependent concentration. PubMed: 21383188
WB |  | 1/100.
ICC/IF |  | 1/100.
IHC-P |  | 1/400.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody (ab15160)

ab15160 at 1/250 staining human pancreas tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step was performed before incubation with the antibody for 30 minutes at 25°C. An HRP conjugated rabbit polyclonal was used as the secondary.

This image is courtesy of an anonymous Abreview.
ab15160 staining Chromogranin A in mouse gastric gland cells by Immunocytochemistry/Immunofluorescence. Cells were fixed with paraformaldehyde, permeabilized with 0.2% Triton X-100 and blocking with 10% serum for 45 min at 20°C was performed. Samples were incubated with primary antibody (1/100) for 18 hours at 4°C. A Texas Red®-conjugated goat polyclonal to rabbit IgG was used at dilution 1/200 as secondary antibody.

ab15160 (1/100) staining Chromogranin A in paraffin-embedded mouse pancreas tissue sections. Tissue underwent fixation in formaldehyde, heat-mediated antigen retrieval in citrate buffer pH 6.0 and blocking (10 minutes, 1.5% serum). An HRP-conjugated goat polyclonal was used as the secondary. For further experimental details please refer to abreview.
ab15160 staining Chromogranin A in mouse colon tissue section by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue underwent formalin fixation before heat mediated antigen retrieval with 10mM citric acid buffer and then the sample was blocked for 45 minutes at 20°C. The primary antibody (1/100) was incubated with sample in 10% serum for 18 hours at 4°C. A Biotin conjugated goat polyclonal to rabbit IgG was used at dilution 1/200 as secondary antibody.

Chromogranin A is easily fragmented and both bands observed in the Western Blot above are believed to correspond to Chromogranin A.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.
Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors