

## Product datasheet

### Anti-Chromogranin A antibody [EP1031Y] $\alpha$ b52983

Recombinant RabMAb

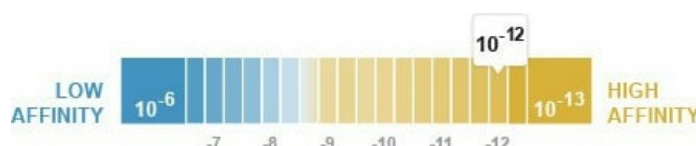
[4 References](#) [4 Images](#)

#### Overview

<b>Product name</b>	Anti-Chromogranin A antibody [EP1031Y]
<b>Description</b>	Rabbit monoclonal [EP1031Y] to Chromogranin A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt or ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human Chromogranin A (C terminal). The exact sequence is proprietary. (Peptide available as <a href="#">ab138920</a> )
<b>Positive control</b>	PC12 cytoplasmic cell lysate Human pancreatic tissue
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Dissociation constant (<math>K_D</math>)</b>	$K_D = 6.90 \times 10^{-12}$ M



[Learn more about K<sub>D</sub>](#)

<b>Storage buffer</b>	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP1031Y
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **[Abpromise guarantee](#)** covers the use of ab52983 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

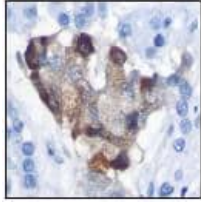
Application	Abreviews	Notes
<b>WB</b>		1/1e+006. Detects a band of approximately 80-90 kDa (predicted molecular weight: 51 kDa).
<b>IHC-P</b>		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

**Application notes** Is unsuitable for Flow Cyt or ICC/IF.

## Target

<b>Function</b>	Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.
<b>Sequence similarities</b>	Belongs to the chromogranin/secretogranin protein family.
<b>Post-translational modifications</b>	Sulfated on tyrosine residues and/or contains sulfated glycans. O-glycosylated with core 1 or possibly core 8 glycans.
<b>Cellular localization</b>	Secreted. Neuroendocrine and endocrine secretory granules.
<b>Form</b>	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.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody [EP1031Y] (ab52983)

ab52983, at a 1/250 dilution, staining Human Chromogranin A in Pancreas using Immunohistochemistry, Paraffin Emebedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-Chromogranin A antibody [EP1031Y] (ab52983)

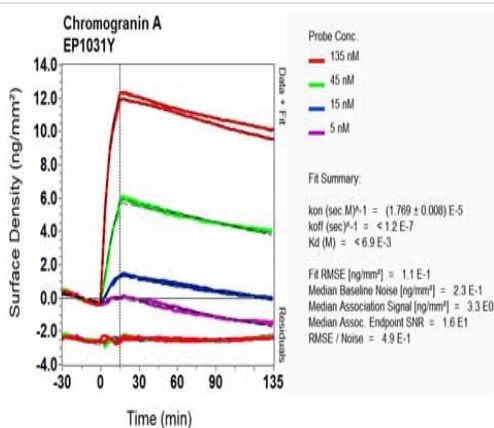
Anti-Chromogranin A antibody [EP1031Y] (ab52983) at 1/1000000 dilution + PC12 cell lysate at 10 µg

### Secondary

goat anti-rabbit HRP labelled at 1/2000 dilution

**Predicted band size:** 51 kDa

**Observed band size:** 80-90 kDa



OI-RD Scanning - Anti-Chromogranin A antibody [EP1031Y] (ab52983)

Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Chromogranin A antibody [EP1031Y] (ab52983)

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

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