

Product datasheet

Anti-Chromogranin A antibody [EP1031Y] α b52983

Recombinant **RabMAb**

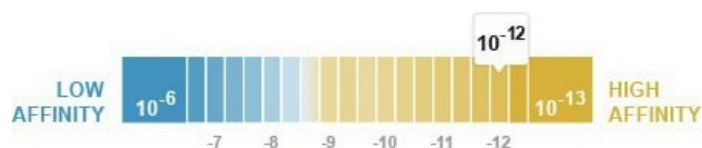
[3 References](#) [4 Images](#)

Overview

Product name	Anti-Chromogranin A antibody [EP1031Y]
Description	Rabbit monoclonal [EP1031Y] to Chromogranin A
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide within Human Chromogranin A (C terminal). The exact sequence is proprietary. (Peptide available as ab138920)
Positive control	PC12 cytoplasmic cell lysate Human pancreatic tissue
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Dissociation constant (K_D)	K _D = 6.90 x 10 ⁻¹² M



[Learn more about K_D](#)

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

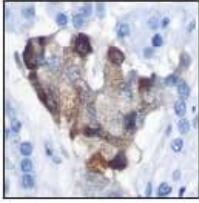
Application	Abreviews	Notes
WB		1/1e+006. Detects a band of approximately 80-90 kDa (predicted molecular weight: 51 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or ICC.

Target

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

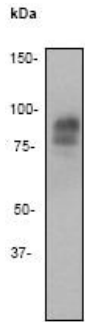
Images



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 Embedded tissue.

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



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

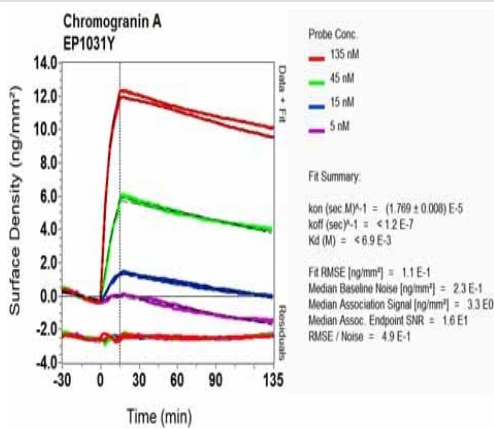
Anti-Chromogranin A antibody [EP1031Y] (ab52983) at 1/1000000 dilution + PC12 cell lysate at 10 µg

Secondary

goat anti-rabbit HRP labelled at 1/2000 dilution

Predicted band size: 51 kDa

Observed band size: 80-90 kDa







O1-RD Scanning - Anti-Chromogranin A antibody [EP1031Y] (ab52983)

Equilibrium dissociation 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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