

## Product datasheet

# Anti-Chromogranin A antibody [CHGA/1731R] - BSA and Azide free ab237820

Recombinant

[4 Images](#)

### Overview

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<b>Product name</b>	Anti-Chromogranin A antibody [CHGA/1731R] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [CHGA/1731R] to Chromogranin A - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Protein Array, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Does not react with:</b> Rat
<b>Immunogen</b>	Recombinant full length protein corresponding to Human Chromogranin A. Database link: <a href="#">P10645</a>
<b>Positive control</b>	IHC-P: Human pancreas and parathyroid tissue.
<b>General notes</b>	ab237820 is the carrier-free version of <a href="#">ab237979</a> .  Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.  This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.  Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes

<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from bioreactor concentrate.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	CHGA/1731R
<b>Isotype</b>	IgG

## Applications

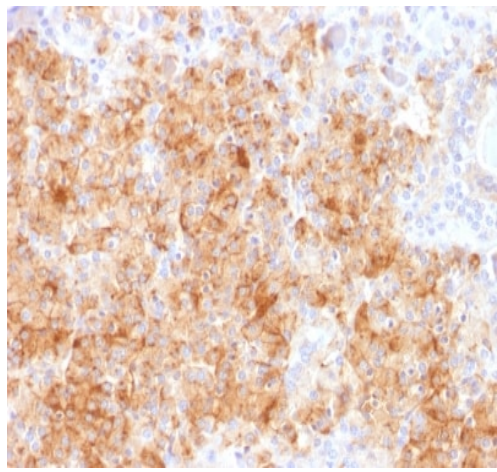
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab237820 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Protein Array</b>		Use at an assay dependent concentration.
<b>IHC-P</b>		Use a concentration of 0.5 - 1 µg/ml. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Incubate with primary antibody for 30 mins at RT.

## 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.

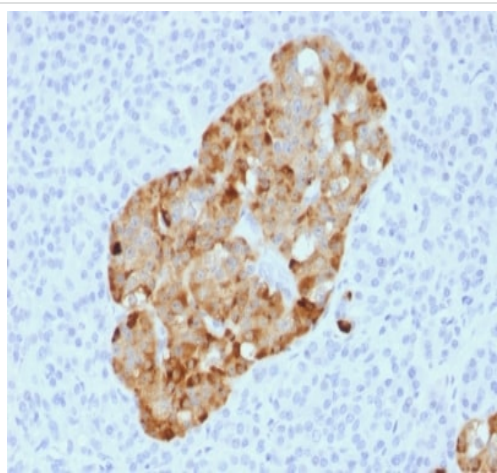
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody [CHGA/1731R] - BSA and Azide free (ab237820)

Formalin-fixed, paraffin-embedded human parathyroid tissue stained for Chromogranin A with **ab237979** at 1  $\mu\text{g/ml}$  in immunohistochemical analysis.

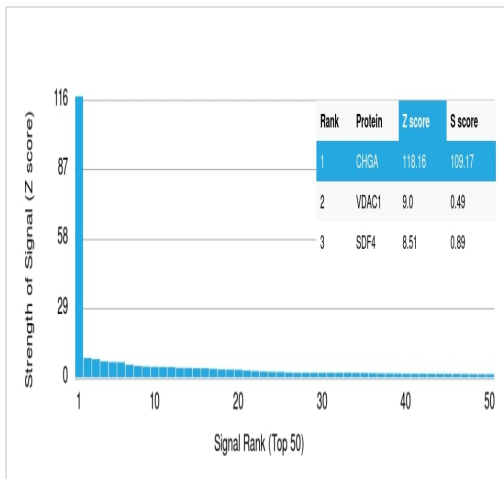
This data was produced with **ab237979**, the same antibody in a different formulation with BSA and Azide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody [CHGA/1731R] - BSA and Azide free (ab237820)

Formalin-fixed, paraffin-embedded human pancreas tissue stained for Chromogranin A with **ab237979** at 1  $\mu\text{g/ml}$  in immunohistochemical analysis.

This data was produced with **ab237979**, the same antibody in a different formulation with BSA and Azide.



Protein Array - Anti-Chromogranin A antibody (ab237820)

This data was produced with [ab237979](#), the same antibody in a different formulation with BSA and Azide.

[ab237979](#) was tested in protein array against over 19000 different full-length human proteins.

**Z- and S- Score:** The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target.

A MAb is specific to its intended target if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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

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

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