

Product datasheet

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

Recombinant

3 Images

Overview

Product name	Anti-Chromogranin A antibody [CHGA/1731R] - BSA and Azide free
Description	Rabbit monoclonal [CHGA/1731R] to Chromogranin A - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Protein Array, IHC-P
Species reactivity	Reacts with: Human Does not react with: Rat
Immunogen	Recombinant full length protein corresponding to Human Chromogranin A. Database link: P10645
Positive control	IHC-P: Human pancreas and parathyroid tissue.
General notes	<i>ab237820 is a PBS-only buffer format of ab237979.</i>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from bioreactor concentrate.
Clonality	Monoclonal
Clone number	CHGA/1731R
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab237820** in the following tested applications.

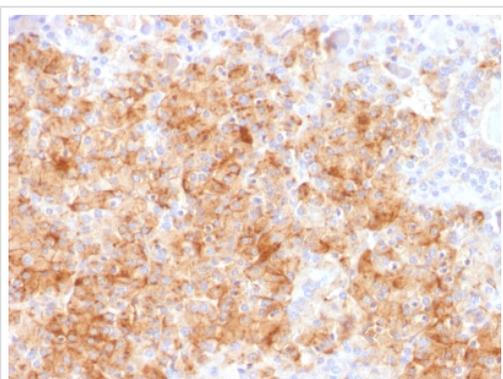
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Protein Array		Use at an assay dependent concentration.
IHC-P		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

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.

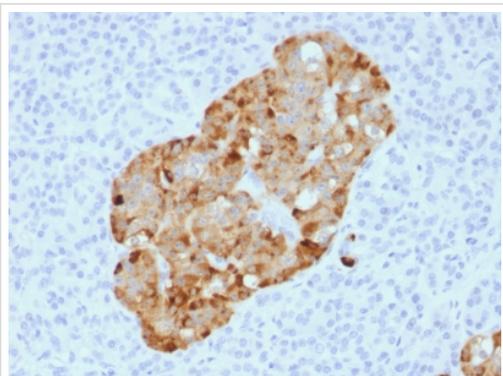
Images



Formalin-fixed, paraffin-embedded human parathyroid tissue stained for Chromogranin A with [ab237979](#) at 1 µg/ml in immunohistochemical analysis.

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

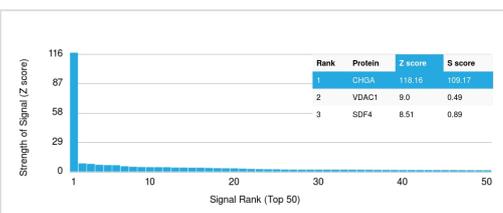
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chromogranin A antibody [CHGA/1731R] - BSA and Azide free ([ab237820](#))



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 µg/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.

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