

## Rabbit anti-Human Chromogranin A/CHGA Monoclonal Antibody | anti-CHGA antibody

Recombinant Anti-Chromogranin A/CHGA Antibody, Rabbit Monoclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA254167</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

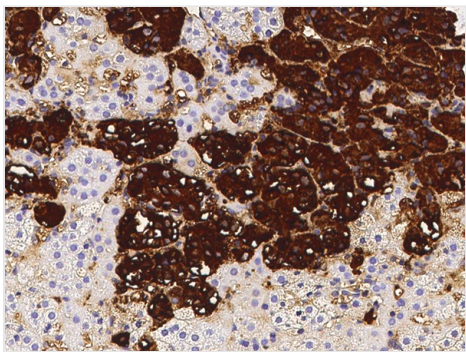
### PRODUCT SYNONYMS

Chromogranin A/CHGA; Monoclonal Antibody; Recombinant Anti-Chromogranin A/CHGA Antibody; Rabbit Monoclonal; Chromogranin A/CHGA/CGA Antibody; Rabbit MAb; chromogranin A; Anti-CGA Antibody; anti-CHGA antibody

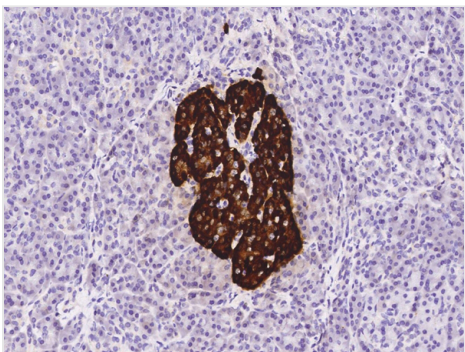
### PRODUCT SPECIFICATIONS

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| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                 |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                   | 204                                                                                                                                                                                                                                                                   |
| Specificity                                    | Human Chromogranin A/CHGA/CGA                                                                                                                                                                                                                                         |
| Purity/Purification                            | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-CHGA antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Antibody Type                                  | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                      | A synthetic peptide corresponding to the center region of the Human Chromogranin A/CHGA/CGA                                                                                                                                                                           |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                    | This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to the center region of the Human Chromogranin A/CHGA/CGA. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.              |
| Preparation and Storage                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



**IHC (Immunohistochemistry)**  
Immunochemical staining of human Chromogranin A in human adrenal gland with rabbit monoclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



**IHC (Immunohistochemistry)**  
Immunochemical staining of human Chromogranin A in human pancreas with rabbit monoclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

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| <b>Related Product Information for anti-CHGA antibody</b> | <p>The acidic glycoprotein chromogranin A (CHGA) is co-stored/co-secreted with catecholamines and crucial for secretory vesicle biogenesis in neuronal/neuroendocrine cells. CHGA is dysregulated in several cardiovascular diseases, but the underlying mechanisms are not well established. The CHGA promoter haplotype 2 (occurring in a large proportion of the world population) in enhancing CHGA expression in haplotype 2 carriers who may be at higher risk for cardiovascular/metabolic disorders. Chromogranin A (CHGA) plays a fundamental role in the biogenesis of catecholamine secretory granules. Changes in storage and release of CHGA in clinical and experimental hypertension prompted us to study whether genetic variation at the CHGA locus might contribute to alterations in autonomic function, and hence hypertension and its target organ consequences such as hypertensive renal disease (nephrosclerosis). Chromogranin A (CHGA) plays a catalytic role in formation of catecholamine storage vesicles and also serves as precursor to the peptide fragment catestatin, a catecholamine secretory inhibitor whose expression is diminished in the hypertensive individuals. The chromogranin/secretogranin proteins are costored and coreleased with catecholamines from secretory vesicles in chromaffin cells and noradrenergic neurons. Chromogranin A (CHGA) regulates catecholamine storage and release through intracellular (vesiculogenic) and extracellular (catecholamine release-inhibitory) mechanisms. CHGA is a candidate gene for autonomic dysfunction syndromes, including intermediate phenotypes that contribute to human hypertension.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502805                                                                                                                                  |
| NCBI GeneID                      | 1113                                                                                                                                     |
| NCBI Accession #                 | NP_001266.1                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_001275.3                                                                                                                              |
| UniProt Accession #              | P10645; Q53FA8; Q6NR84; Q96E84; Q96GL7; Q9BQB5; B2R9E9                                                                                   |
| Molecular Weight                 | 50,688 Da                                                                                                                                |
| NCBI Official Full Name          | chromogranin-A preproprotein                                                                                                             |
| NCBI Official Synonym Full Names | chromogranin A (parathyroid secretory protein 1)                                                                                         |
| NCBI Official Symbol             | CHGA                                                                                                                                     |
| NCBI Official Synonym Symbols    | CGA                                                                                                                                      |
| NCBI Protein Information         | chromogranin-A; SP-I; pituitary secretory protein I; parathyroid secretory protein 1; betagranin (N-terminal fragment of chromogranin A) |
| UniProt Protein Name             | Chromogranin-A                                                                                                                           |
| UniProt Gene Name                | CHGA                                                                                                                                     |

|                            |            |
|----------------------------|------------|
| UniProt Synonym Gene Names | CgA; SP-I  |
| UniProt Entry Name         | CMGA_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/chromogranin-a-chga-antibody-clone-204-immunohistochemistry-elisa/254167>