

## Mouse anti-Human chromogranin A Monoclonal Antibody | anti-CHGA antibody

chromogranin A Monoclonal Antibody

|                               |                      |                            |                                                           |
|-------------------------------|----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA308401</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------|----------------------------|-----------------------------------------------------------|

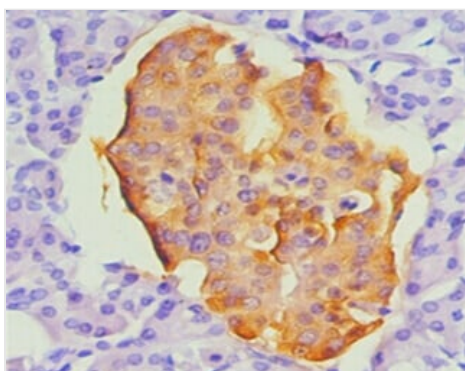
### PRODUCT SYNONYMS

chromogranin A; Monoclonal Antibody; chromogranin A Monoclonal Antibody; Chromogranin-A; CgA; Pituitary secretory protein I; SP-I; Vasostatin II; CHGA; anti-CHGA antibody

### PRODUCT SPECIFICATIONS

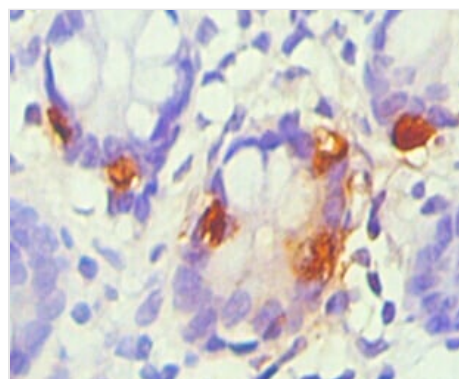
|                                                |                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                         |
| Reactivity                                     | Human                                                                         |
| Clonality                                      | Monoclonal                                                                    |
| Specificity                                    | Specific for Recombinant CHGA Protein denatured and native forms              |
| Purity/Purification                            | Protein G Purified                                                            |
| Form/Format                                    | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                     |
| Sequence Length                                | 457                                                                           |
| Applicable Applications for anti-CHGA antibody | IHC (Immunohistochemistry), WB (Western Blot)                                 |
| Immunogen                                      | Recombinant CHGA Protein                                                      |
| Immunogen Type                                 | Protein                                                                       |
| Preparation and Storage                        | Store at -20 degree C                                                         |

### IMAGES



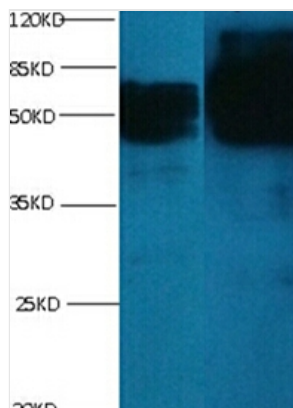
**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue using at dilution of 1:200.



**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human small intestine tissue using at dilution of 1:200.



WB (Western Blot)  
All lanes: Chromogranin-A transfected E.coli lysate

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CHGA antibody | Chromogranin A is a member of the granin family of neuroendocrine secretory proteins. It is located in secretory vesicles of neurons and endocrine cells.Chromogranin A is the precursor to several functional peptides including vasostatin, pancreastatin, catestatin and parastatin. These peptides negatively modulate the neuroendocrine function of the releasing cell (autocrine) or nearby cells (paracrine). CgA is one of the most used tumor markers in NET's (neuroendocrine tumors), and elevated CgA concentrations have been demonstrated in serum or plasma of patients with different types of these tumors.However, CgA is not a tumor-specific antigen for NETs, and an abnormal concentration has been described in some non-malignant diseases such as renal failure, heart failure, proton pump inhibition, gastritis, hypertension, or patients with liver diseases. |
| Product Categories/Family for anti-CHGA antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### 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 isoform 1 preproprotein                 |
| NCBI Official Synonym Full Names | chromogranin A                                         |
| NCBI Official Symbol             | CHGA                                                   |
| NCBI Official Synonym Symbols    | CGA                                                    |
| NCBI Protein Information         | chromogranin-A                                         |
| UniProt Protein Name             | Chromogranin-A                                         |
| UniProt Gene Name                | <b>CHGA</b>                                            |
| 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.

