



# Chromogranin A (ABT037) Mouse mAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-15090                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>                | IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>                   | CHGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen</b>                   | Synthesized peptide derived from human Chromogranin A                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Specificity</b>                 | The antibody can specifically recognize human Chromogranin A protein.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>                 | PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                      | Mouse, Monoclonal/IgG1, Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purification</b>                | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Dilution</b>                    | IHC-p 1:200-400,                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>                    | CGA;CHGA;AL-11;Chromogranin-A;EA-92;Chromogranin A;beta Granin; betagranin (N-terminal fragment of chromogranin A);catestatin;CHG A; chromofungin;Chromogranin A parathyroid secretory protein 1;Chromogranin A precursor;Chromograni;ChromograninA;CMGA_HUMAN;ER-37;Pancreastatin; Parastatin;Parathyroid secretory protein 1;Pituitary secretory protein I;Secretory protein I;SP I;SP-I;SP1;SPI;vasostatin 2;Vasostatin;Vasostatin I;Vasostatin II; vasostatin-2 |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cell Pathway</b>                | Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Tissue Specificity</b>          | Pancreas/ stomach                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Function</b>                    | function:Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.,miscellaneous:Binds calcium with a low-affinity.,PTM:Sulfated on tyrosine residues and/or contains sulfated glycans.,similarity:Belongs to the chromogranin/secretogranin protein family.,subcellular location:Neuroendocrine and endocrine secretory granules.,                                                                                                        |

**Background**

The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrine system. Two other peptides, catestatin and chromofungin, have antimicrobial activity and antifungal activity, respectively. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014],

**matters needing attention**

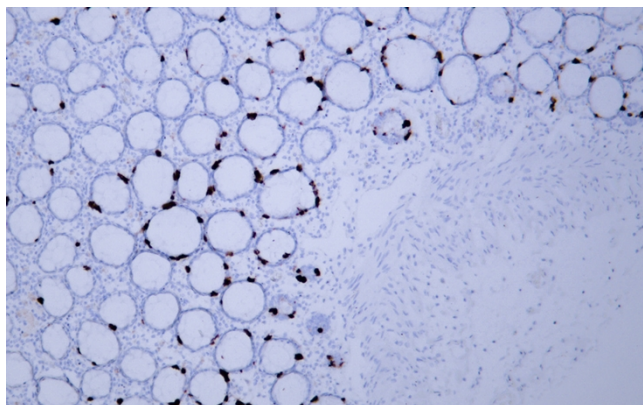
Avoid repeated freezing and thawing!

**Usage suggestions**

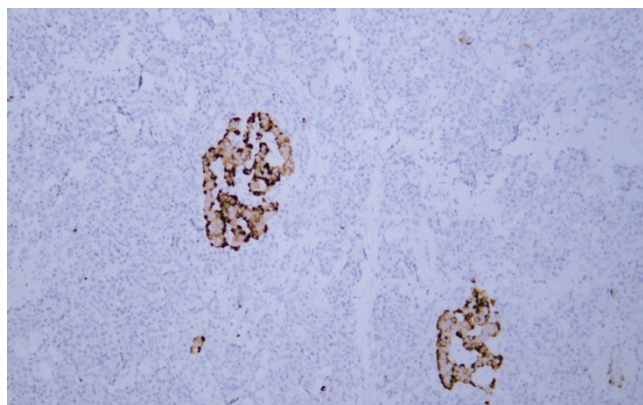
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



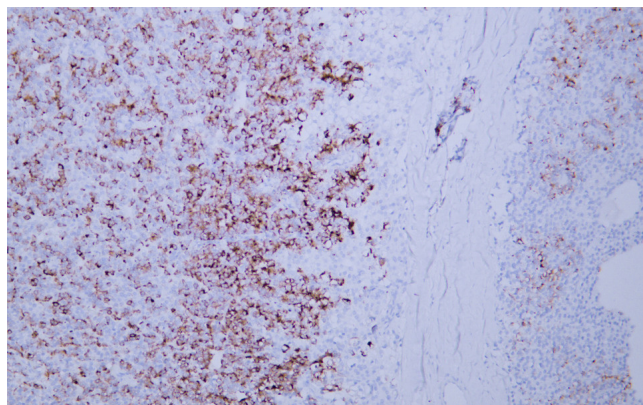
## Products Images



Human colon tissue was stained with  
Anti-Chromogranin A (ABT037) Antibody



Human pancreas tissue was stained with  
Anti-Chromogranin A (ABT037) Antibody



Human parathyroidoma tissue was stained with  
Anti-Chromogranin A (ABT037) Antibody