



# Chr-A Monoclonal Antibody

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | YP-mAb-15888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name          | CHGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Name       | Chromogranin-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human Chr-A. AA range:311-360                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity        | Chr-A Monoclonal Antibody detects endogenous levels of Chr-A protein.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source             | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                           |
| Dilution           | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Synonyms           | CHGA; Chromogranin-A; CgA; Pituitary secretory protein I; SP-I                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Observed Band      | 68kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cell Pathway       | [Serpinin]: Secreted . Cytoplasmic vesicle, secretory vesicle . Pyroglutaminated serpinin localizes to secretory vesicle. .; Cytoplasmic vesicle, secretory vesicle . Cytoplasmic vesicle, secretory vesicle, neuronal dense core vesicle . Secreted . Associated with the secretory granule membrane through direct interaction to SCG3 that in turn binds to cholesterol-enriched lipid rafts in intragranular conditions. In pituitary gonadotropes, located in large secretory granules. . |
| Tissue Specificity | GE-25 is found in the brain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Function           | 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],

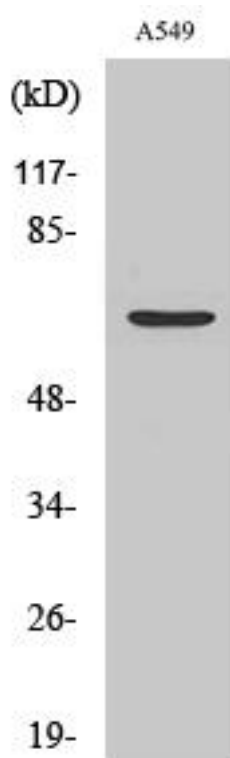
**matters needing attention**

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



Western Blot analysis of various cells using Chr-A Monoclonal Antibody