

Mouse Anti-CHGA antibody

SLM-34148M

| | |
|-------------------------------------|---|
| Product Name | CHGA |
| Chinese Name | 嗜铬粒素 A 单克隆抗体 |
| Alias | Chromogranin-A; Chromogranin A; beta Granin; CGA; CHG A; Chromogranin A parathyroid secretory protein 1; Chromogranin A precursor; ChromograninA; Pancreastatin; Parastatin; Parathyroid secretory protein 1; Pituitary secretory protein I; SP I; SP1; SPI; Vasostatin; ER-37; CMGA_HUMAN. |
| Immunogen Species | Mouse |
| Clonality | Monoclonal |
| Clone NO. | 13H7 |
| React Species | Human(predicted:Mouse,Rat) |
| Applications | IHC-P=1:200-400, IHC-F=1:200-400, IF=1:200-400 optimal dilutions/concentrations should be determined by the end user. |
| Theoretical molecular weight | 48kDa |
| Cellular localization | cytoplasmic The cell membrane Secretory protein |
| Form | Lyophilized or Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated synthetic peptide derived from human CHGA |
| Lsotype | IgG1, Kappa |
| Purification | affinity purified by Protein A |
| Buffer Solution | PBS, pH7.2, 3% Porcolin 300, containing stabilizing protein |
| Storage | Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| Attention | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| PubMed | PubMed |
| Product | The protein encoded by this gene is a member of the chromogranin/secretogranin family of |

Detail

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. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derived from the full-length protein. However, biological activities for these molecules have not been shown. [provided by RefSeq, Jul 2008].

Function:

Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.

Subunit:

Interacts with SCG3.

Subcellular Location:

Cytoplasmic vesicle, secretory vesicle lumen. Cytoplasmic vesicle, secretory vesicle membrane. Secreted. Note=Associated with the secretory granule membrane through direct interaction to SCG3 that in turn binds to cholesterol-enriched lipid rafts in intragranular conditions.

Post-translational modifications:

Sulfated on tyrosine residues and/or contains sulfated glycans. O-glycosylated with core 1 or possibly core 8 glycans.

Similarity:

Belongs to the chromogranin/secretogranin proteinfamily.

SWISS:

P10645

Gene ID:

1113

Database links:

[Entrez Gene: 1113](#) Human

[Entrez Gene: 12652](#) Mouse

[Omim: 118910](#) Human

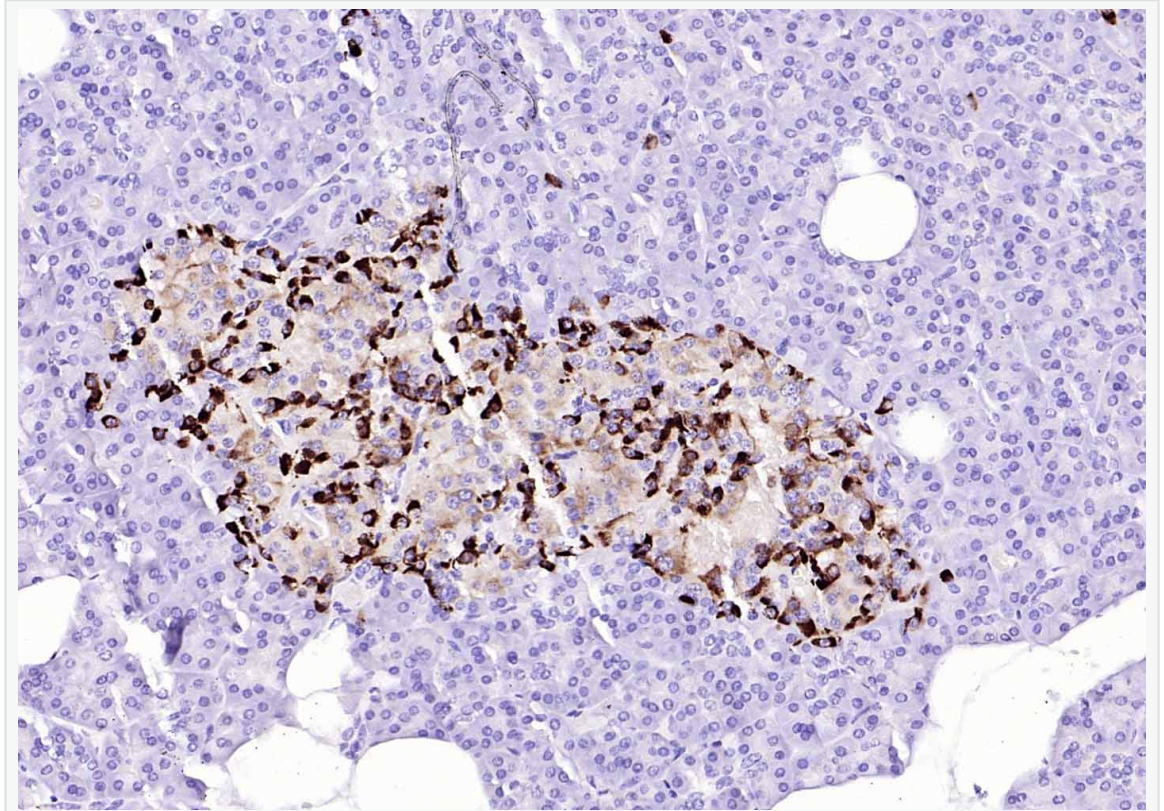
[SwissProt: P10645](#) Human

[SwissProt: P26339](#) Mouse

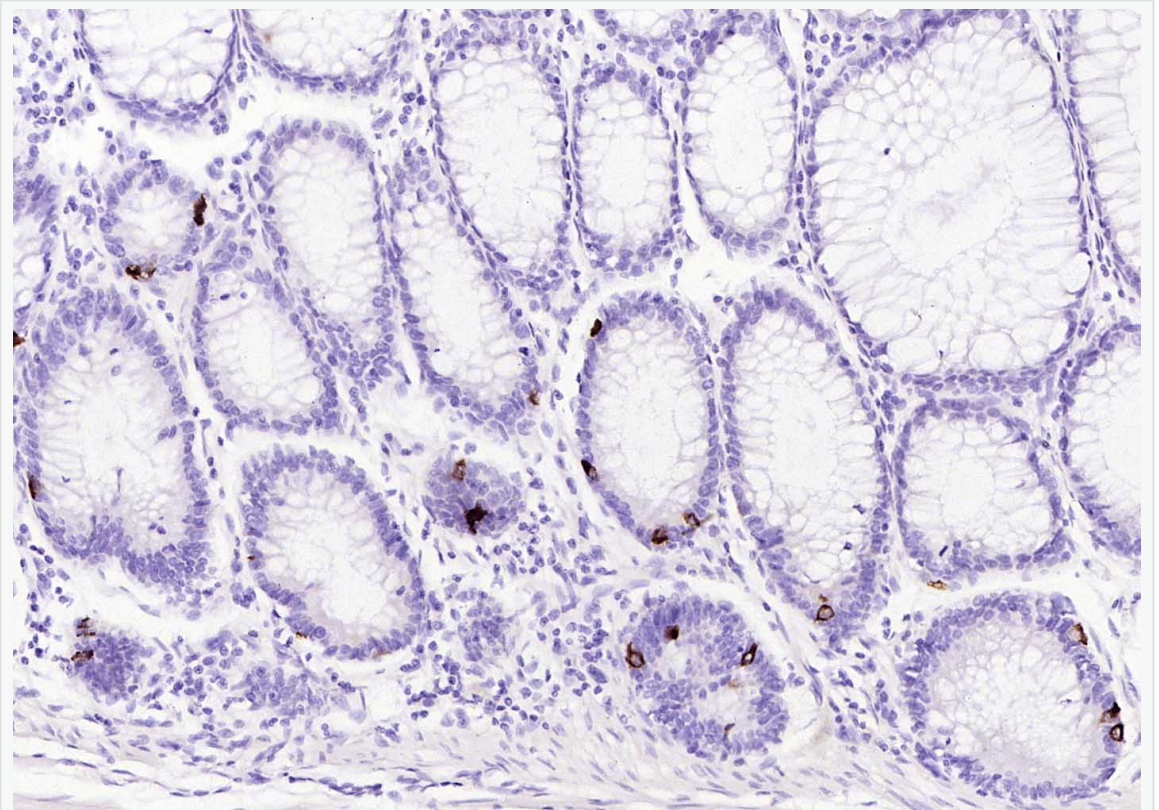
[Unigene: 150793](#) Human

嗜铬粒素 A 蛋白存在与很多组织中：胃肠道内分泌细胞和类癌、甲状旁腺、垂体前叶、肾上腺髓质、神经节、副神经节、胰岛、甲状腺 C 细胞等组织和其来源的 Tumour 都表达该成分.嗜铬素 A (CgA) 属于可溶性的酸性蛋白，主要存在于神经内分泌细胞的分泌颗粒中，也存在于含有分泌颗粒的内分泌细胞和神经内分泌细胞来源的 Tumour 细胞中。检测循环中的免疫反应 CgA 对神经内分泌瘤具有诊断意义。另外，CgA 的免疫组织化学检测对鉴定来源于神经内分泌的 Tumour 起到辅助作用。

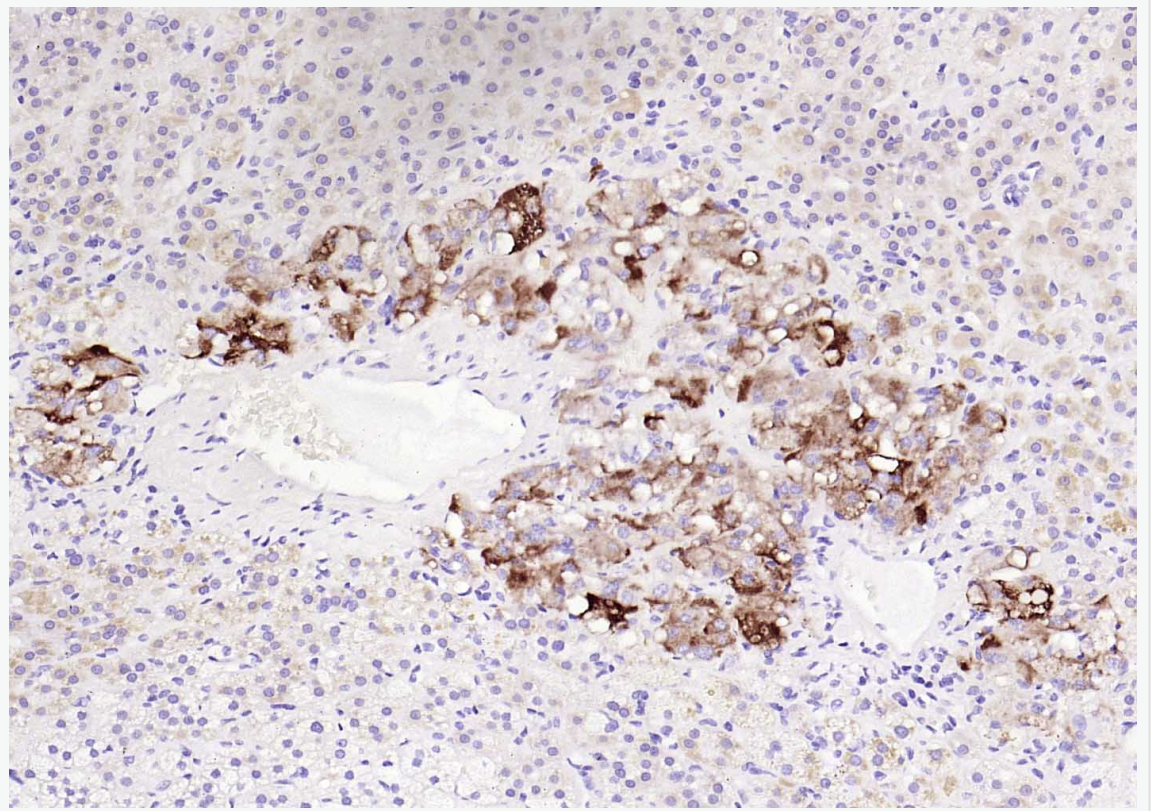
**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CHGA) Monoclonal Antibody, Unconjugated (SLM-34148M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CHGA) Monoclonal Antibody, Unconjugated (SLM-34148M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CHGA) Monoclonal Antibody, Unconjugated (SLM-34148M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.