

Rabbit Anti-Chromogranin A/AP Conjugated antibody

SL0539R-AP

Product Name	Anti-Chromogranin A/AP
Chinese Name	碱性磷酸酶 (AP) 标记的嗜铬粒素 A 抗体
Alias	beta Granin; CGA; CHG A; CHGA; 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.
Research Area	Tumour
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse)
Applications	WB=1:50-200 IHC-P=1:50-200 IHC-F=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	48kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CGA
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	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. 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 protein family.

Database links:

[Entrez Gene: 1113](#) Human

[Entrez Gene: 12652](#) Mouse

[Omim: 118910](#) Human

[SwissProt: P10645](#) Human

[SwissProt: P26339](#) Mouse

[Unigene: 150793](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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。