



Rabbit Anti-Chromogranin A antibody

SL0539R

Product Name:	Chromogranin A
Chinese Name:	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.
文献引用 :	Specific References(6) SL0539R has been referenced in 6 publications. [IF=5.70] Wang, Yuli, et al. "In vitro generation of colonic epithelium from primary cells guided by microstructures." Lab on a Chip (2014). Mouse . PubMed:24647645
	[IF=4.25] Liu, Yanchun, et al. "Enriched Intestinal Stem Cell Seeding Improves the Architecture of Tissue Engineered Intestine." Tissue Engineering (2014). IHC-P;Rat . PubMed:25603285
	[IF=4.25] Liu, Yanchun, et al. "Enriched Intestinal Stem Cell Seeding Improves the Architecture of Tissue Engineered Intestine." Tissue Engineering (2014). IHC-P;Rat . PubMed:25603285
	[IF=3.26] Liu, Xin-Qi, et al. "Regulation of neuroendocrine cells and neuron factors in the ovary by zinc oxide nanoparticles." Toxicology Letters (2016). IHC-P;Chicken . PubMed:27215404
	[IF=5.70] Wang, Yuli, et al. "Capture and 3D culture of colonic crypts and colonoids in a microarray platform." Lab on a Chip 13.23 (2013): 4625-4634. IF(IHC-F);Mouse . PubMed:24113577

	<p>[IF=8.39]Liu, Yanchun, et al. "HB-EGF Embedded in PGA/PLLA Scaffolds via Subcritical CO₂ Augments the Production of Tissue Engineered Intestine."Biomaterials (2016).IF(IHC-P);Rat.</p> <p style="text-align: right;">PubMed:27380441</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	<p>WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair)</p> <p>not yet tested in other applications.</p> <p>optimal dilutions/concentrations should be determined by the end user.</p>
Molecular weight:	48kDa
Cellular localization:	cytoplasmicThe cell membraneSecretory protein
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:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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].</p> <p>Function: Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.</p> <p>Subunit: Interacts with SCG3.</p> <p>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.</p>

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.

SWISS:

P10645

Gene ID:

1113

Database links:

[Entrez Gene: 1113](#)Human

[Entrez Gene: 12652](#)Mouse

[Omim: 118910](#)Human

[SwissProt: P10645](#)Human

[SwissProt: P26339](#)Mouse

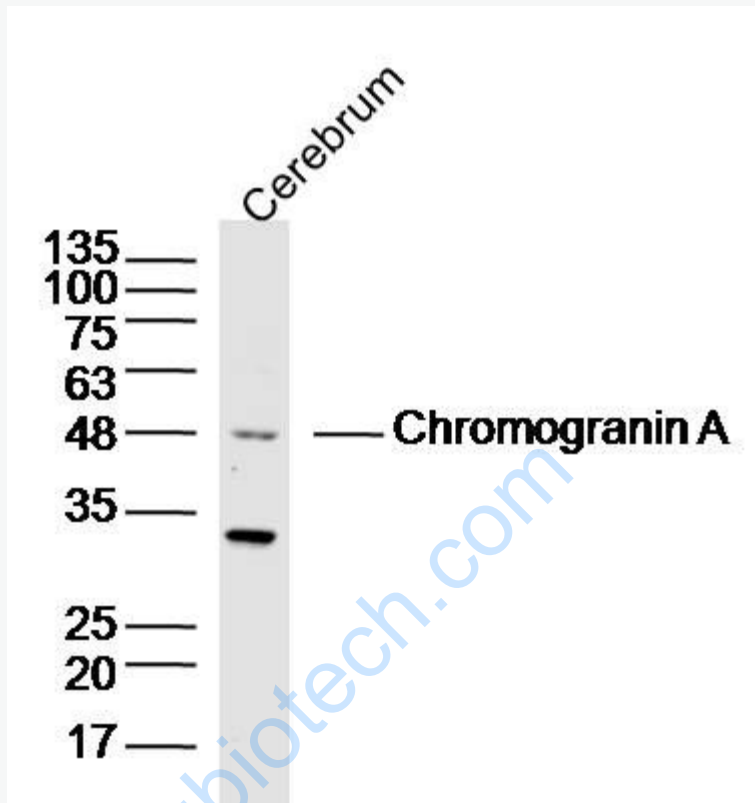
[Unigene: 150793](#)Human

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。

Picture:



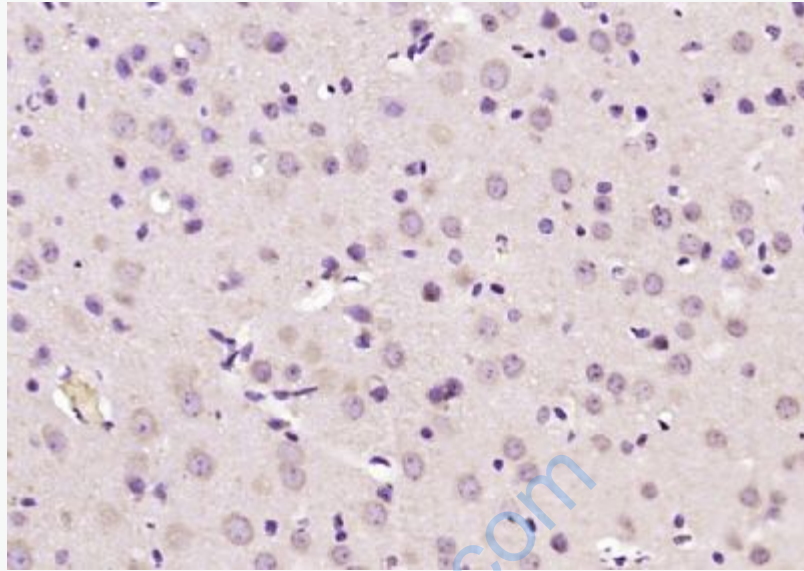
Sample: Cerebrum(Mouse) Lysate at 40 ug

Primary: Anti-Chromogranin A(SL0539R) at 1/300 dilution

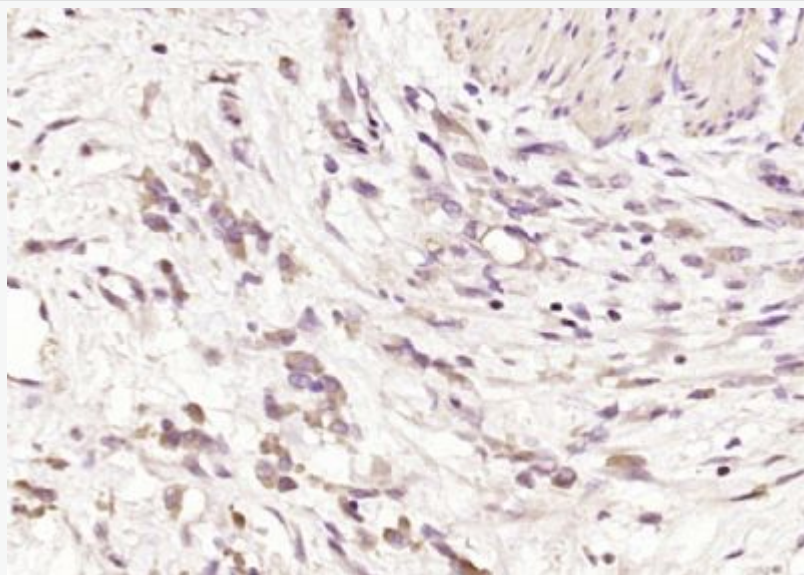
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 48kD

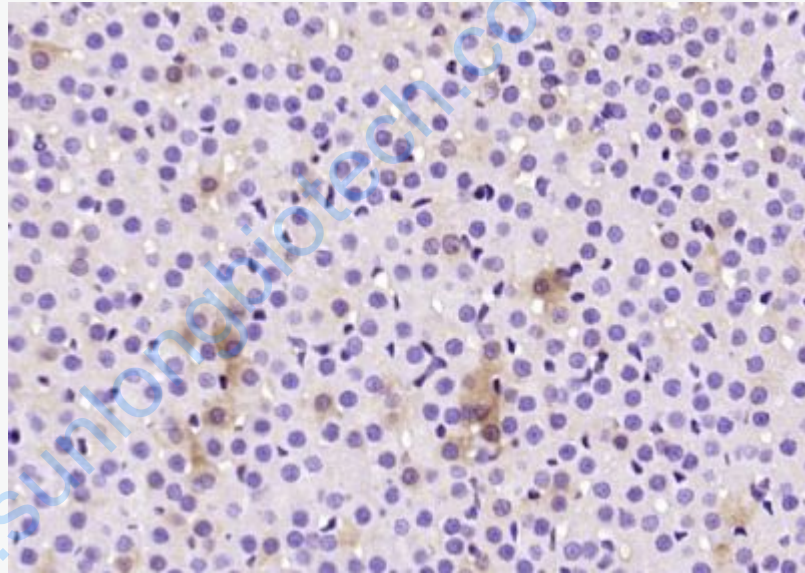
Observed band size: 48kD



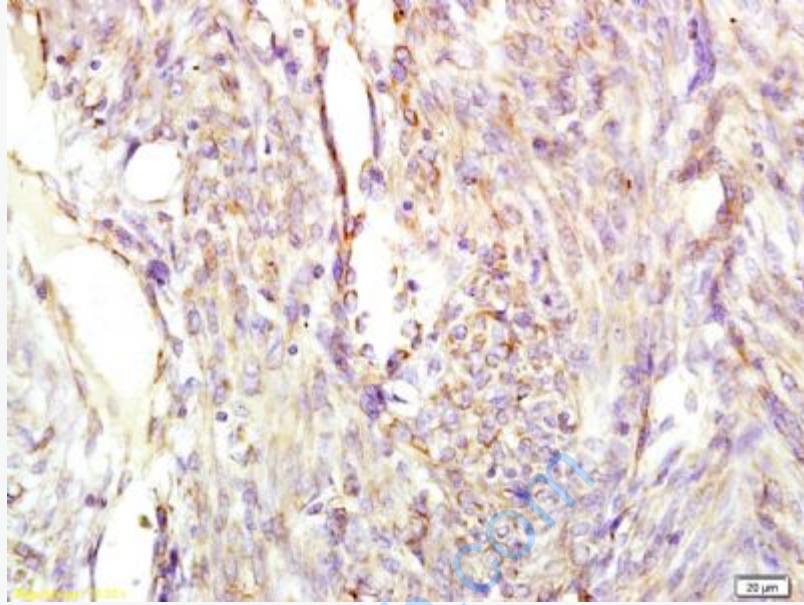
Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Chromogranin A) Polyclonal Antibody, Unconjugated (SL0539R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); 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; Antibody incubation with (Chromogranin A) Polyclonal Antibody, Unconjugated (SL0539R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat 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; Antibody incubation with (Chromogranin A) Polyclonal Antibody, Unconjugated (SL0539R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-CGA/Chromogranin A Polyclonal Antibody,

Unconjugated(SL0539R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining