

bs-0539R**[Primary Antibody]****CHGA Rabbit pAb****Bioss**
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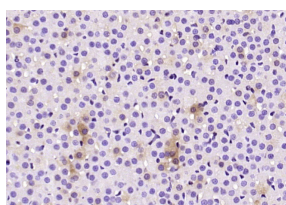
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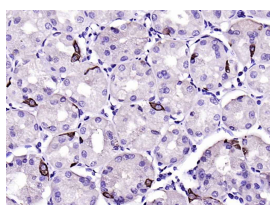
400-901-9800

— DATASHEET —

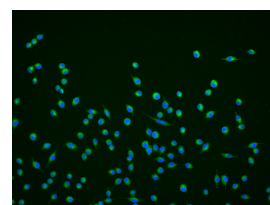
Host: Rabbit Clonality: Polyclonal GeneID: 1113 Target: CHGA Immunogen: KLH conjugated synthetic peptide derived from human CHGA: 421-470/457. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. 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].	Isotype: IgG SWISS: P10645	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:50-200) Reactivity: Human, Rat (predicted: Mouse) Predicted MW.: 48 kDa Subcellular Location: Secreted ,Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

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 (bs-0539R) 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); 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 (bs-0539R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Chromogranin A) polyclonal Antibody, Unconjugated (bs-0539R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=13.3]** Haozhan Qu. et al. Fermented Feed Promotes Gut Development by Enhancing Intestinal Stem Cell Expansion via Activation of the Wnt/_x005F eta-Catenin Signaling Pathway. CHEMICAL ENGINEERING JOURNAL. 2025 Jan IHC ; piglets .
- **[IF=8.101]** Shuang Xie. et al. Indispensable role of melatonin, a scavenger of reactive oxygen species (ROS), in the protective effect of Akkermansia muciniphila in cadmium-induced intestinal mucosal damage. FREE RADICAL BIO MED. 2022 Nov;193:447 IF ; Mouse. 36328351

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

- **[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 ;="Rat". 27380441
- **[IF=7]** Kang Tae Hong. et al. Establishment of a chicken intestinal organoid culture system to assess deoxynivalenol-induced damage of the intestinal barrier function. *J ANIM SCI BIOTECHNO.* 2024 Dec;15(1):1-12 IF ;Chicken. 38369477
- **[IF=5.7]** 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 ;="Mouse". 24113577