bs-0088R **[Primary Antibody]**

Secretin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6343

Target: Secretin

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: bs-0088P is one synthetic peptide derived from human Secretin. Secretin belongs to the glucagon family. This protein is an endocrine hormone and its major site of production is the endocrine S cells located in the proximal small intestinal mucosa. The release of active secretin is stimulated by either fatty acids or an acidic pH in the duodenum. This hormone stimulates the secretion of bicarbonate-rich pancreatic fluids and has also been shown to regulate the growth and development of the stomach, small intestine, and pancreas. Secretin deficiency has been implicated in autistic syndrome, suggesting that the hormone could have a neuroendocrine function in addition to its role in digestion.

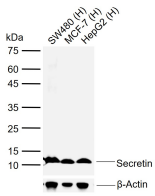
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: Human, Rat (predicted: Mouse, Pig, Goat)

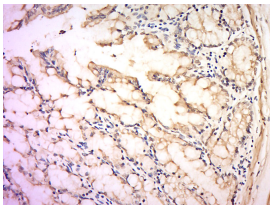
Predicted MW.: 13 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Sample: Lane 11: Human SW480 cell lysates Lane 12: Human MCF-7 cell lysates Lane 13: Human HepG2 cell lysates Primary: Anti-Secretin (bs-0088R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 13 kDa Observed band size: 13 kDa



Tissue/cell: rat intestine tissue ; 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-Secrein Polyclonal Antibody, Unconjugated(bs-0088R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=14.679]** Lixian Chen. et al. Inhibition of secretin/secretin receptor axis ameliorates non‐alcoholic fatty liver disease phenotypes. 2021 Apr 30 IHC ;Human, Mouse. 33928675
- **[IF=14.957]** Yuchu Liu. et al. A gut-brain axis mediates sodium appetite via gastrointestinal peptide regulation on a medulla-hypothalamic circuit. SCI ADV. 2023 Feb;9(7) IF ;Mouse. 36791202
- **[IF=14.7]** Jin Ciliang. et al. Single-cell RNA sequencing reveals the pro-inflammatory roles of liver-resident Th1-like cells in primary biliary cholangitis. NAT COMMUN. 2024 Oct;15(1):1-19 IF ;Human. 39375367

- **[IF=9.071]** Lamei Xue. et al. Maternal secretin ameliorates obesity by promoting white adipose tissue browning in offspring. EMBO REP. 2022 Jul;23(7):e54132 IHC ;Mouse. 35652247
- **[IF=6.4]** Zhang et al. The knockout of secretin in cerebellar Purkinje cells impairs mouse motor coordination and motor learning. (2014) Neuropsychopharmacolog. 39:1460-8 IHC ;Mouse. 24356714