Datasheet for ABIN7600918

anti-Secretin antibody (AA 25-65)

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Overview

Quantity:	100 µg
Target:	Secretin (SECR)
Binding Specificity:	AA 25-65
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Secretin antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Secretin/Sct Antibody
Immunogen:	E.coli-derived mouse Secretin/Sct recombinant protein (Position: A25-D65).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Secretin/Sct Antibody Picoband® (ABIN7600918). Tested in ELISA, IHC applications. This antibody reacts with Mouse, Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	Secretin (SECR)

Target Details

Alternative Name:	Sct (SECR Products)
Background:	Synonyms: Pannexin-2, PANX2 Tissue Specificity: Expressed in fetal and adult brain. Also detected in fetal liver and skeletal muscle, but not in their adult counterparts. Background: Secretin is a hormone that regulates water homeostasis throughout the body and influences the environment of the duodenum by regulating secretions in the stomach, pancreas, and liver. It is a peptide hormone produced in the S cells of the duodenum, which are located in the intestinal glands. In humans, the secretin peptide is encoded by the SCT gene. This gene encodes the precursor of a gastrointestinal peptide hormone of the secretin-glucagon family. The encoded protein is secreted as a prohormone that undergoes proteolytic processing to generate a mature peptide hormone. The mature peptide regulates secretion of gastric acid, biocarbonate ions from pancreatic and biliary duct epithelia and water homeostasis in the gastrointestinal system. Mice lacking the encoded protein display decreased survival of neuroprogenitor cells during early postnatal period and impaired long-term potentiation and spatial learning in adulthood. Alternative splicing results in multiple transcript variants encoding different isoforms. All of these isoforms may be processed in a similar manner to generate the mature peptide hormone.
Molecular Weight:	70 kDa
Gene ID:	20287
UniProt:	Q08535
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Bayliss, W., Starling, E. H. The mechanism of pancreatic secretion. J. Physiol. (London) 28: 325-353, 1902. 2. Chu, J. Y. S., Chung, S. C. K., Lam, A. K. M., Tam, S., Chung, S. K., Chow, B. K. C. Phenotypes developed in secretin receptor-null mice indicated a role for secretin in regulating renal water reabsorption. Molec. Cell Biol. 27: 2499-2511, 2007. 3. Chu, J. Y. S., Lee, L. T. O., Lai, C. H., Vaudry, H., Chan, Y. S., Yung, W. H., Chow, B. K. C. Secretin as a neurohypophysial factor regulating body water homeostasis. Proc. Nat. Acad. Sci. 106: 15961-15966, 2009.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.