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CCKBR Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9399a

Specification

CCKBR Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P32239

CCKBR Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 887

Other Names
Gastrin/cholecystokinin type B receptor, CCK-B receptor, CCK-BR, Cholecystokinin-2 receptor, CCK2-R, CCKBR, CCKRB

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CCKBR Antibody (N-term) Blocking Peptide - Protein Information

Name CCKBR (HGNC:1571)

Synonyms CCKRB

Function
Receptor for gastrin and cholecystokinin. The CCK-B receptors occur throughout the central nervous system where they modulate anxiety, analgesia, arousal, and neuroleptic activity. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Isoform 1 is expressed in brain, pancreas, stomach, the colon cancer cell line LoVo and the T-lymphoblastoma Jurkat, but not in heart, placenta, liver, lung, skeletal muscle, kidney or the stomach cancer cell line AGS. Expressed at high levels in the small cell lung cancer cell line NCI-H510, at lower levels in NCI-H345, NCI- H69 and GLC-28 cell lines, not expressed in GLC-19 cell line. Within the stomach, expressed at high levels in the mucosa of the gastric fundus and at low levels in the antrum and duodenum. Isoform 2 is present in pancreatic cancer cells and

colorectal cancer cells, but not in normal pancreas or colonic mucosa. Isoform 3 is expressed in brain, pancreas, stomach, the stomach cancer cell line AGS and the colon cancer cell line LoVo.

CCKBR Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CCKBR Antibody (N-term) Blocking Peptide - Images

CCKBR Antibody (N-term) Blocking Peptide - Background

CCKBR encodes a G-protein coupled receptor for gastrin and cholecystokinin (CCK), regulatory peptides of the brain and gastrointestinal tract. This protein is a type B gastrin receptor, which has a high affinity for both sulfated and nonsulfated CCK analogs and is found principally in the central nervous system and the gastrointestinal tract.

CCKBR Antibody (N-term) Blocking Peptide - References

Berg, N.D., et al. Int J Hyg Environ Health 213(2):131-139(2010)Chao, C., et al. Int. J. Cancer 126(4):864-875(2010)Tabakoff, B., et al. BMC Biol. 7, 70 (2009) Miyake, A. Biochem. Biophys. Res. Commun. 208(1):230-237(1995)Ito, M., et al. Cell Growth Differ. 5(10):1127-1135(1994)Herget, T., et al. Ann. N. Y. Acad. Sci. 713, 283-297 (1994)