10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCKBR Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51051

Product Information

Application	WB
Primary Accession	P32239
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48419

Additional Information

Gene ID	887
Other Names	Gastrin/cholecystokinin type B receptor, CCK-B receptor, CCK-BR, Cholecystokinin-2 receptor, CCK2-R, CCKBR, CCKRB
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CCKBR. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

Background

Receptor for gastrin and cholecystokinin. The CKK-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.

References

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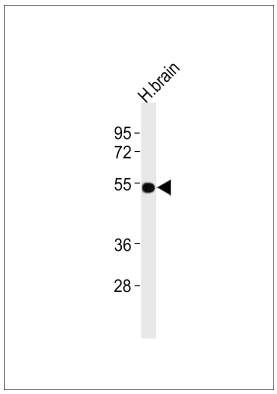
Images



Anti-CCKBR Antibodyat 1:1000 dilution + H.brain tissue lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 48,56 kDa Blocking/Dilution buffer: 5% NFDM/TBST.