abcam

Product datasheet

Anti-CCK2-R antibody ab14440

4 Abreviews 1 References

Overview

Product name	Anti-CCK2-R antibody
Description	Rabbit polyclonal to CCK2-R
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Rat, Rabbit, Cow, Dog
Immunogen	Synthetic peptide corresponding to Human CCK2-R aa 206-219. Sequence: VHRWPSARVRQTWS Run BLAST with Run BLAST with
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab14440 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆ **(3)**	Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.

Target

Function 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.
Isoform 2 is constitutively activated and may regulate cancer cell proliferation via a gastrin-independent mechanism.

Tissue specificity 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 GLC28 cell lines, not expressed in GLC19 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.

Sequence similarities Belongs to the G-protein coupled receptor 1 family.

Cellular localization Cell membrane.

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