

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06767 - Goat Anti-CCKBR Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CCKBR, cholecystokinin B receptor, HGNC:1571, CCK-B, GASR, CCK2 receptor, cholecystokinin-B receptor/gastrin receptor, gastrin receptor, gastrin\cholecystokinin brain receptor, CCK2R

**Official Symbol:** CCKBR

**Accession Number(s):** NP\_795344.1

**Human GeneID(s):** [887](#)

**Non-Human GeneID(s):** 12426 (mouse), 25706 (rat)

### Immunogen

Peptide with sequence C-FDGDSDSDSQSRVRNQ, from the internal region of the protein sequence according to NP\_795344.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 48-50kDa band observed in Mouse Pancreas lysates (calculated MW of 49.2kDa according to Mouse NP\_031653.1) Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Pancreas. Recommended concentration: 4-6µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Cow

### Specific References

**This antibody has been successfully used in IF and IHC on Human:**

Yoko Sato, Shinichi Ban, Yasumi Katayama, Takashi Mitsui

Unique membranous gastrin receptor expression of parietal cells and its distribution pattern in the gastric oxyntic mucosa and fundic gland polyps

Hum Pathol. 2022 Apr 14;S0046-8177(22)00080-6.

PMID: 35430166

**This antibody (previous batch) has been successfully used in IF on Rat:**

Téllez N, Montanya E

Gastrin induces ductal cell dedifferentiation and  $\beta$ -cell neogenesis after 90% pancreatectomy.

J Endocrinol. 2014 Oct;223(1):67-78

PMID: 25122000

**This antibody (previous batch) has been successfully used in IHC on Human:**

Quattrone A, Dewaele B, Wozniak A, Bauters M, Vanspauwen V, Floris G, Schöffski P, Chibon F, Coindre JM, Sciôt R, Debiec-Rychter M.

Promoting role of cholecystokinin 2 receptor (CCK2R) in gastrointestinal stromal tumours pathogenesis.

J Pathol. 2012 Jul 11. doi: 10.1002/path.4071.

PMID: 22786615

**This antibody (previous batch) has been successfully used in ICC/IF in Rat:**

El-Kouhen K, Morisset J.

Control of somatostatin (SS) secretion by CCK-1 and CCK-2 receptors' occupation in RIN-14B cells, a rat pancreatic islet cell line.

Pancreas. 2010 Mar;39(2):127-34.

PMID: 19959964

**This antibody (previous batch) has been successfully used in ICC/IF on Rat:**

Berna MJ, Seiz O, Nast JF, Benten D, Bläker M, Koch J, Lohse AW, Pace A.

CCK1 and CCK2 receptors are expressed on pancreatic stellate cells and induce collagen production.

J Biol Chem. 2010 Dec 10;285(50):38905-14.

PMID: 20843811

**This antibody (previous batch) has been successfully used in Western blot on Rat:**

El-Kouhen K, Morisset J.

Cholecystokinin and Somatostatin Negatively Affect Growth of the Somatostatin-RIN-14B Cells.

Int J Endocrinol. 2009;2009:875167.

PMID: 20011057

EB06767 (0.5µg/ml) staining of Mouse Pancreas lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06767 (6µg/ml) staining of paraffin embedded Human Pancreas. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB06767 Negative Control showing staining of paraffin embedded Human Pancreas, with no primary antibody.