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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 1:16000.

Western blot: Approx 80kDa band observed in Mouse Pancreas and Rat Stomach lysates (calculated MW of 49.2kDa according to Mouse NP_031653.1 and 49.0kDa according to Rat NP_037297.1). The observed molecular weight also corresponds to earlier findings in literature with different antibodies (Morisset et al J Histochem Cytochem. 2003 Nov;51(11):1501-13; PMID: 14566022). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Uterus. Recommended concentration: 5µg/ml. In paraffin embedded Human Pancreas expression of CCKBR is detected in islet cells, and not in surrounding acinar cells. Recommended concentration: 6µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

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

Specific References

This antibody has been successfully used in IHC in Human:

Quattrone A, Dewaele B, Wozniak A, Bauters M, Vanspauwen V, Floris G, Schöffski P, Chibon F, Coindre JM, Sciot 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 has been successfully used in Western blot in 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

This antibody has been successfully used in ICC/IF in 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 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

EB06767 (1µg/ml) staining of Mouse Pancreas (A) and Rat Stomach (B) lysate (35µg protein in RIPA buffer).
Detected by chemiluminescence.

EB06767 (5µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB06767 (6µg/ml) staining of paraffin embedded 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.