



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Goat Anti-CCKBR

With HRP-conjugated Secondary Antibody

Catalog No.

ER-14-0290

Accession Number

NP_795344.1

Target Protein

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

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.

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. 75kDa band observed in purified membranes of Rat insulinoma cell line RIN14B (calculated MW of 48.4kDa according to NP_033957.1). Data were published by El-Kouhen K and Morisset J, Int J Endocrinol. 2009;2009:875167; PMID: 20011057. 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: 0.1-0.3µg/ml.

IHC: In paraffin embedded Human Pancreas, shows strong staining in islets of Langerhans and weak staining in acinar cells. Recommended concentration, 3µg/ml.

ICC/IF: This antibody has been successfully used in ICC/IF for RIN-14B cells as described in the following paper: El-Kouhen et al, Pancreas. 2010 Mar;39(2):127-34, PMID: 19959964 and for rat pancreatic stellate cells as described in: Berna et al, J Biol Chem. 2010 Dec 10;285(50):38905-14, PMID: 20843811.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Species Reactivity

Tested: Human, Rat

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

Specific References

This antibody has been successfully used in the following papers:

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

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

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

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**