



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Goat Anti-CCKAR

### With HRP-conjugated Secondary Antibody

**Catalog No.**

ER-14-0289

**Accession Number**

NP\_000721.1

**Target Protein**

**Principal Names:** cholecystokinin type-A receptor, cholecystokinin-1 receptor, CCKRA, CCK1-R, CCK-A, HGNC:1570, cholecystokinin A receptor, CCKAR

**Official Symbol:** CCKAR

**Accession Number(s):** NP\_000721.1

**Human GeneID(s):** 886

**Non-Human GeneID(s):** 12425 (mouse), 24889 (rat)

**Immunogen**

Peptide with sequence C-FEASQKKSARKERKPST, from the internal region of the protein sequence according to NP\_000721.1.

**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 1:4000.

**Western blot:** Preliminary experiments in Human Pancreas lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml).

**IHC:** In paraffin embedded Human Pancreas, shows cytoplasmic staining of some cells in the islets of Langerhans. Recommended concentration, 10µg/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.

**Species Reactivity**

**Tested:** Human, Rat

**Expected from sequence similarity:** Human

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### ***Specific Reference***

This antibody has been successfully used in the following papers:

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

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