



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti-Mouse/Rat CCKA Receptor

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0288

Accession Number
NP_033957.1

Target Protein

Principal Names: AW106902, cholecystokinin A receptor, Cckar

Official Symbol: Cckar

Accession Number(s): NP_033957.1

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

Immunogen

Peptide with sequence C-KFDASQKKSACEKR, from the internal region of the protein sequence according to NP_033957.1.

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 1:64000.

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.

Species Reactivity

Tested: Rat

Expected from sequence similarity: Mouse, Rat, Rabbit

Specific Reference

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

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



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Secondary Antibody Applications

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

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