

## DESCRIPTION

<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human, mouse, and rat CCK-A R.
<b>Source</b>	Polyclonal Rabbit IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Rat CCK-A R synthetic peptide Lys256-Glu267 Accession # P30551
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

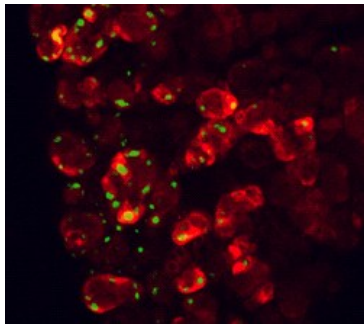
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human CCK-A R Recombinant Mouse CCK-A R Recombinant Rat CCK-A R
<b>Immunohistochemistry</b>	5-15 µg/mL	See Below

## DATA

### Immunohistochemistry



**CCK-A R in Rat Pancreas.** CCK-A R was detected in perfusion fixed frozen sections of rat pancreas using 5 µg/mL Human/Mouse/Rat CCK-A R Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2680) overnight at 4 °C. Tissue was stained (red) and counterstained (green). View our protocol for [Fluorescent IHC Staining of Frozen Tissue Sections](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

The physiologic actions of the cholecystokinin (CCK) family of peptide hormones are mediated through two classes of G protein-coupled receptors, CCK-A R and CCK-B R. CCK-A R is a 428 amino acid protein with 7 putative transmembrane domains. This GPCR is involved in gallbladder contraction, insulin secretion, and has also been described in specific regions of the central nervous system. CCK-A R has been implicated in pancreatic tumorigenesis as well as the pathogenesis of eating disorders and drug addiction.