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

Recommended Concentration  Sample

Western Blot  0.1 μg/mL  Recombinant Human CCK-A R
             0.2 μg/mL  Recombinant Mouse CCK-A R
             0.4 μg/mL  Recombinant Rat CCK-A R

Immunohistochemistry  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
Reconstitution  Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping  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
Stability & Storage  Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
         12 months from date of receipt, -20 to -70 °C as supplied.
         1 month, 2 to 8 °C under sterile conditions after reconstitution.
         6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.