For Research Use Only

CCKAR-specific Polyclonal antibody

Catalog Number:16550-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
16550-1-AP

Concentration:
450 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000730

GeneID (NCBI):
886

UNIPROT ID:
P32238

Full Name:
cholecystokinin A receptor

Calculated MW:
48 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC: 1:20-1:200

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human stomach tissue, mouse pancreas tissue

Background Information

Cholecystokinin (CCK) receptor, including CCKAR and CCKBR, is a receptor for cholecystokinin, mainly regulating pancreatic growth and enzyme secretion, and smooth muscle contraction of the gallbladder and stomach (PMID: 34556863). CCKAR (Cholecystokinin receptor type A) is primarily expressed in the alimentary tract, while CCKBR is mainly found in the brain and the stomach (PMID: 16816139). CCKAR is a biomarker for prognosis and asynchronous brain metastasis of non-small cell lung cancer (PMID: 36733361).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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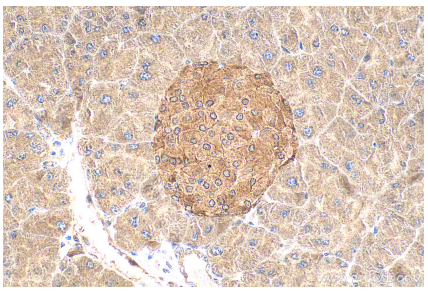
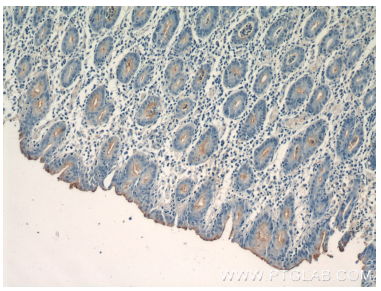
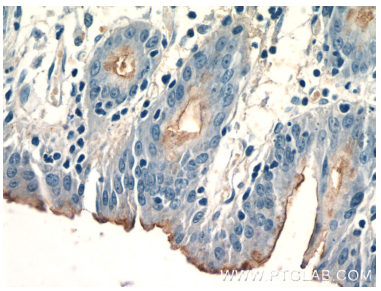
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 16550-1-AP (CCKAR-specific antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 16550-1-AP (CCKAR-specific Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 16550-1-AP (CCKAR-specific Antibody) at dilution of 1:50 (under 40x lens).