

For Research Use Only

CCKAR-specific Recombinant antibody, PBS Only (Detector)

Catalog Number: 85205-1-PBS



Basic Information

Catalog Number: 85205-1-PBS	GenBank Accession Number: NM_000730	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 886	CloneNo.: 242681A12
Source: Rabbit	UNIPROT ID: P32238	
Isotype: IgG	Full Name: cholecystokinin A receptor	
	Calculated MW: 48 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications:
WB, IP, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human, mouse, rat

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). The calculated MW of CCKAR is 48 kDa, but the observed MW is around 75 kDa, which may be with glycosylation modification.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

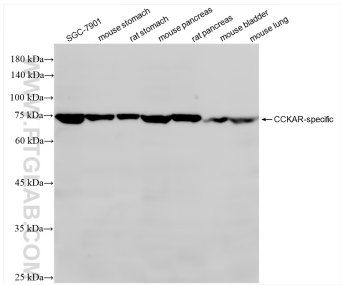
T: 4006900926

E: Proteintech-CN@ptglab.com

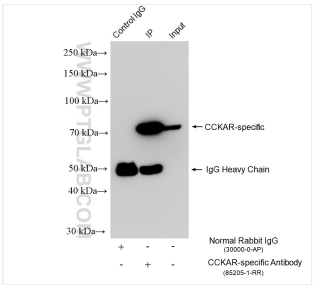
W: ptgcn.com

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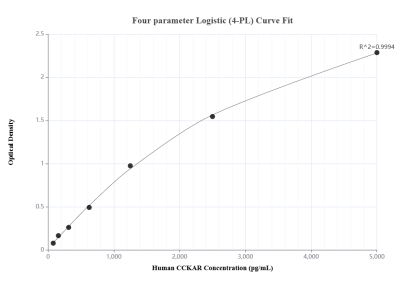
Selected Validation Data



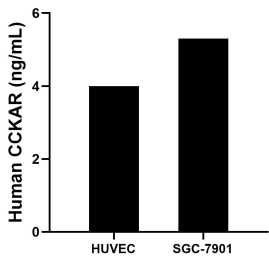
Various lysates were subjected to SDS PAGE followed by western blot with 85205-1-RR (CCKAR-specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85205-1-PBS in a different storage buffer formulation.



IP result of anti-CCKAR-specific (IP:85205-1-RR, 4ug; Detection:85205-1-RR 1:600) with mouse lung tissue lysate 1520 ug. This data was developed using the same antibody clone with 85205-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01958-1, Human CCKAR Recombinant Matched Antibody Pair - PBS only. 85205-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard SY00105. 85205-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean CCKAR concentration was determined to be 4.0 ng/mL in HUVEC cell extract based on a 0.9 mg/mL extract load and 5.3 ng/mL in SGC-7901 cell extract based on a 2.4 mg/mL extract load.