

For Research Use Only

CROP Polyclonal antibody

Catalog Number: 14504-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

14504-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5961

GenBank Accession Number:

BC056409

GeneID (NCBI):

51747

UNIPROT ID:

O95232

Full Name:

cisplatin resistance-associated overexpressed protein

Calculated MW:

51 kDa

Observed MW:

55-58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB: Jurkat cells, HepG2 cells, mouse brain tissue

IP: HepG2 cells,

IHC: human pancreas cancer tissue, human ovary tissue

IF: HepG2 cells,

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

Background Information

CROP, a putative SR protein, contains cystine/histidine motifs and leucine zipper-like repeats in the N-terminal half and consists mostly of charged and polar amino acids in the C-terminal half. CROP has a high expression in heart, brain, pancreas, thymus, and weak in lung, liver and kidney. As the human homologue of yeast Luc7p, CROP is supported to be participated in 5'-splice site recognition and is essential for vegetative growth. This is a rabbit polyclonal antibody raised against part of N-terminus of CROP of human origin, and can recognize a ~58kDa band of CROP.

Notable Publications

Author	Pubmed ID	Journal	Application
Emily M Schleicher	33137164	PLoS Genet	WB
Noah J Daniels	33852859	Cell Rep	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

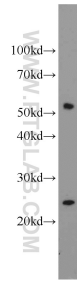
T: 4006900926

E: Proteintech-CN@ptglab.com

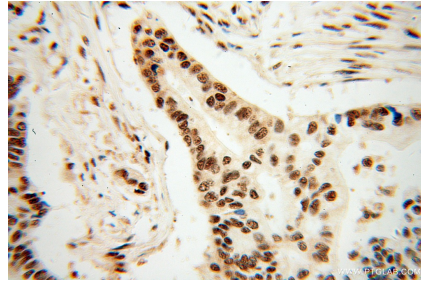
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

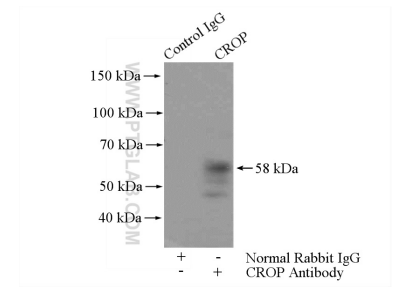
Selected Validation Data



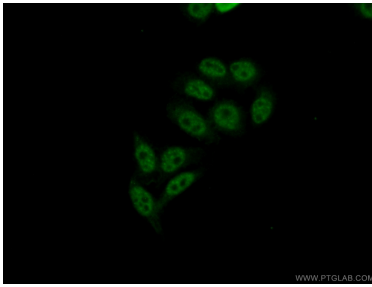
Jurkat cells were subjected to SDS PAGE followed by western blot with 14504-1-AP (CROP antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 14504-1-AP (CROP antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-CROP (IP:14504-1-AP, 4 μ g; Detection:14504-1-AP 1:500) with HepG2 cells lysate 3600 μ g.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 14504-1-AP (CROP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).