

For Research Use Only

CROP Polyclonal antibody

Catalog Number: 14504-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

14504-1-AP

Size:

500 ug/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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IP

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : Jurkat cells, HepG2 cells, mouse brain tissue

IP : HepG2 cells,

IHC : human ovary cancer tissue, human ovary tissue, human pancreas cancer tissue

IF/ICC : 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, contain 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 recognize 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
Wen Zheng	39491646	J Biol Chem	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:

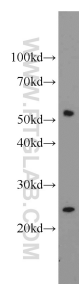
T: 4006900926

E: Proteintech-CN@ptglab.com

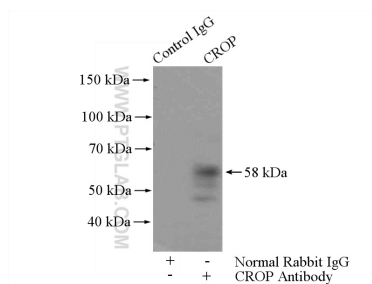
W: ptgcn.com

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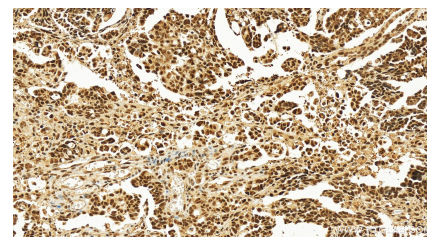
Selected Validation Data



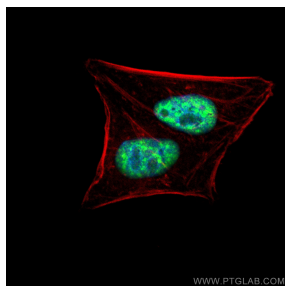
Jurkat cells were subjected to SDS PAGE followed by western blot with 14504-1-AP (CROP antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 14504-1-AP (CROP antibody) at dilution of 1:400 (under 20 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CROP antibody (14504-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).