For Research Use Only

CROP Polyclonal antibody

Catalog Number: 14504-1-AP

Featured Product

2 Publications

overexpressed protein

Calculated MW: 51 kDa



Basic Information

Catalog Number: GenBank Accession Number: 14504-1-AP BC056409

Size: GeneID (NCBI):

150ul, Concentration: 500 µg/ml by 51747

Nanodrop and 280 µg/ml by Bradford Full Name: cisplatin resistance-associated

method using BSA as the standard;

Rabbit Isotype:

IgG Observed MW: Immunogen Catalog Number: 55-58 kDa

AG5961

Purification Method: Antigen affinity purification Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000

for WB IHC 1:20-1:200 IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

Species Specificity:

human, mouse **Cited Species:**

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:

WB: Jurkat cells, HepG2 cells, mouse brain tissue

IP: HepG2 cells.

IHC: human pancreas cancer tissue, human ovary

tissue

IF: HepG2 cells,

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, live 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

Storage

Storage:

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

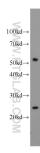
Storage Buffer:

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

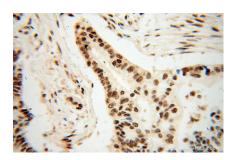
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

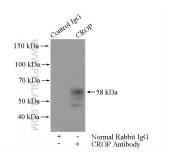
Selected Validation Data



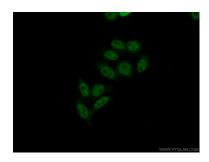
Jurkat cells were subjected to SDS PAGE followed by western blot with 14504-1-AP (CROP antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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



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



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).