

For Research Use Only

# CRABP2 Polyclonal antibody

Catalog Number:10225-1-AP

Featured Product

45 Publications



## Basic Information

### Catalog Number:

10225-1-AP

### Size:

350 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0309

### GenBank Accession Number:

BC001109

### GeneID (NCBI):

1382

### UNIPROT ID:

P29373

### Full Name:

cellular retinoic acid binding protein 2

### Calculated MW:

16 kDa

### Observed MW:

16 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:50-1:500

IF-P 1:200-1:800

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IF-P, FC (Intra), IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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 : HEK-293 cells, HeLa cells, HT-29 cells, MCF-7 cells, mouse embryo tissue

IP : HeLa cells,

IHC : human skin tissue,

IF-P : human skin cancer tissue,

IF/ICC : MCF-7 cells,

## Background Information

Cellular retinoic acid binding protein 2 (CRABP2, synonyms: RBP6, CRABP-II). A number of specific carrier proteins for members of the vitamin A family have been discovered. Cellular retinoic acid binding proteins (CRABP) are low molecular weight proteins whose precise function remains unknown. CRABP2 is important in retinoic acid-mediated regulation of human skin growth and differentiation. It has been postulated that the CRABP2 gene is transcriptionally regulated by a newly synthesized regulatory protein.

## Notable Publications

| Author          | Pubmed ID | Journal                     | Application |
|-----------------|-----------|-----------------------------|-------------|
| Masanori Goto   | 26348989  | Brain Res                   | IF          |
| Yasuhiro Adachi | 36089341  | J UOEH                      | WB          |
| Xin Liu         | 31736873  | Front Endocrinol (Lausanne) | WB,IHC      |

## 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:

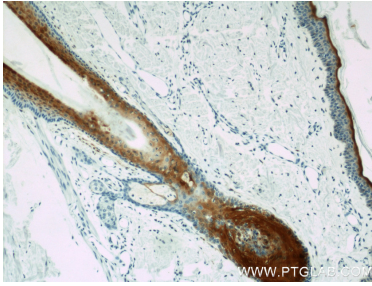
T: 4006900926

E: Proteintech-CN@ptglab.com

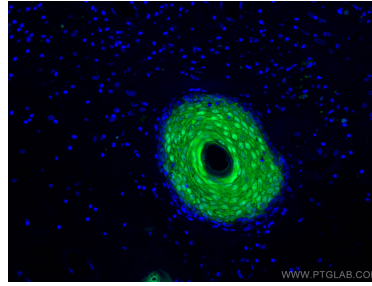
W: ptgcn.com

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

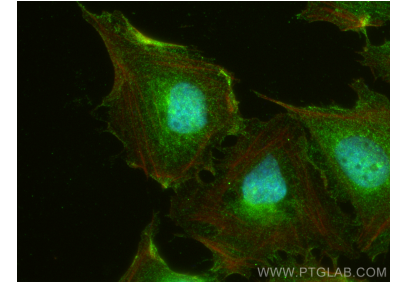
## Selected Validation Data



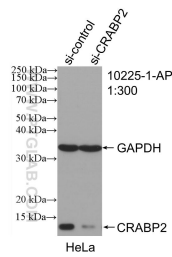
Immunohistochemical analysis of paraffin-embedded human skin using 10225-1-AP (CRABP2 antibody) at dilution of 1:50 (under 10x lens).



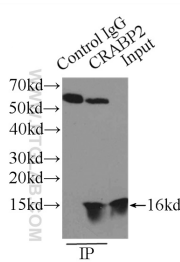
Immunofluorescent analysis of (4% PFA) fixed human skin cancer tissue using CRABP2 antibody (10225-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



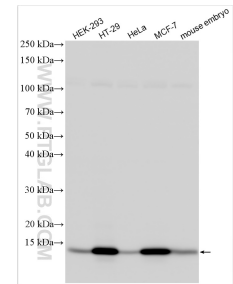
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CRABP2 antibody (10225-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



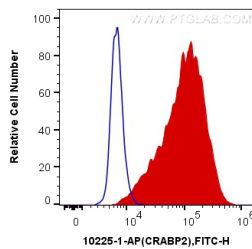
WB result of CRABP2 antibody (10225-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-CRABP2 transfected HeLa cells.



IP result of anti-CRABP2 (IP:10225-1-AP, 3ug; Detection:10225-1-AP 1:300) with HeLa cells lysate 4650ug.



Various lysates were subjected to SDS PAGE followed by western blot with 10225-1-AP (CRABP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human CRABP2 (10225-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).