

For Research Use Only

# CRABP2 Monoclonal antibody

Catalog Number: 66468-1-Ig

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 66468-1-Ig	<b>GenBank Accession Number:</b> BC001109	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul, Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1382	<b>CloneNo.:</b> 1A5F3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P29373	<b>Recommended Dilutions:</b> WB 1:2500-1:10000 IHC 1:250-1:1000 IF-P 1:50-1:500 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> cellular retinoic acid binding protein 2	
<b>Immunogen Catalog Number:</b> AG0309	<b>Calculated MW:</b> 16 kDa	
	<b>Observed MW:</b> 14 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA	<b>Positive Controls:</b> WB : T-47D cells, HEK-293 cells, MCF-7 cells, pig skin tissue, rat skin tissue IHC : human ovary tumor tissue, IF-P : human skin cancer tissue, IF/ICC : MCF-7 cells, FC (Intra) : MCF-7 cells,
<b>Cited Applications:</b> IHC, IF	
<b>Species Specificity:</b> human, mouse, rat, pig	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Xiaolong Tang	36195596	Cell Death Dis	IHC,IF

## Storage

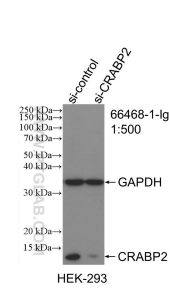
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

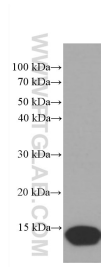
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

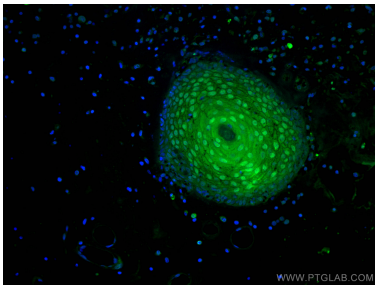
Selected Validation Data



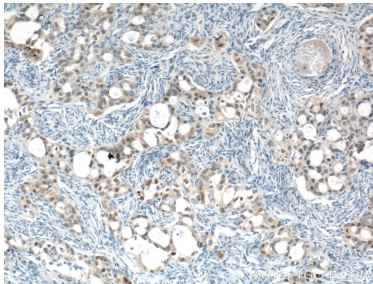
WB result of CRABP2 antibody (66468-1-Ig; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-CRABP2 transfected HEK-293 cells.



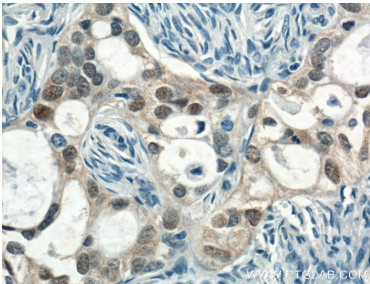
T-47D cells were subjected to SDS PAGE followed by western blot with 66468-1-Ig (CRABP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



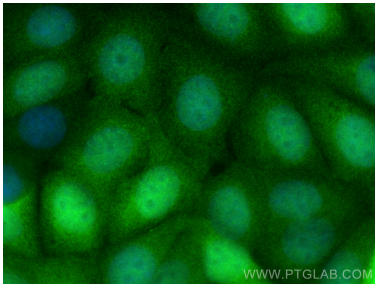
Immunofluorescent analysis of (4% PFA) fixed human skin cancer tissue using CRABP2 antibody (66468-1-Ig, Clone: 1A5F3 ) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



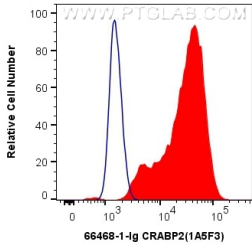
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66468-1-Ig (CRABP2 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66468-1-Ig (CRABP2 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CRABP2 antibody (66468-1-Ig, Clone: 1A5F3 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human CRABP2 (66468-1-Ig, Clone:1A5F3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).