For Research Use Only

CRABP2 Monoclonal antibody

Catalog Number:66468-1-Ig Featured Product 1 Publications

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Basic Information

Catalog Number:
66468-1-Ig

Size:
2000 ug/ml

Source:
Mouse

Isotype:
IgG1

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:
14 kDa

Purification Method:
Protein A purification

CloneNo.:
1A5F3

Recommended Dilutions:
WB 1:2500-1:10000
IHC 1:250-1:1000
IF-P 1:50-1:500
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

Cited Applications:
IHC, IF

Species Specificity:
human, mouse, rat, pig

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 : 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,

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

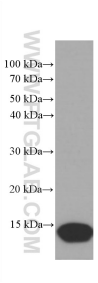
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

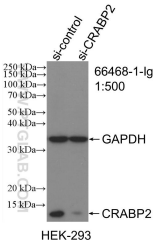
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

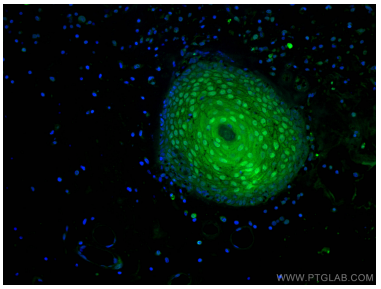
Selected Validation Data



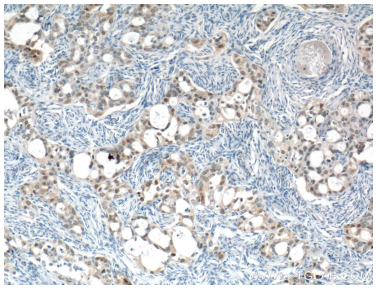
T-47D cells were subjected to SDS PAGE followed by western blot with 66468-1-Ig (CRABP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



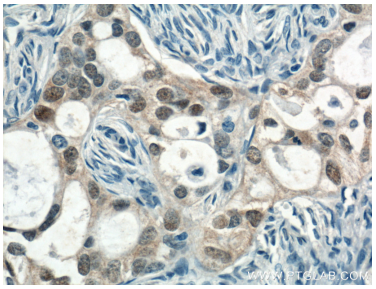
WB result of CRABP2 antibody (66468-1-Ig; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-CRABP2 transfected HEK-293 cells.



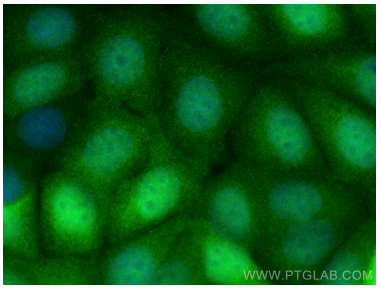
Immunofluorescent analysis of (4% PFA) fixed human skin cancer tissue using CRABP2 antibody (66468-1-Ig, Clone: 1A5F3) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



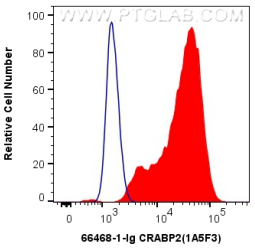
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66468-1-Ig (CRABP2 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1X10^6 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).