For Research Use Only

CRABP2 Monoclonal antibody

Catalog Number:66468-1-Ig Featured Product 4 Publications

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Basic Information

Catalog Number:
66468-1-Ig

Size:
150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

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 G 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
FC (Intra): 0.40 ug per 10^6 cells in a 100 ul suspension

Applications

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

Cited Applications:
WB, 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,

FC (Intra) : 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
Xiaoting Tian	41145842	NPJ Precis Oncol	WB,IHC,IF
Shuailin Li	40570009	PLoS One	WB

Storage

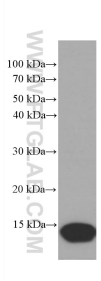
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

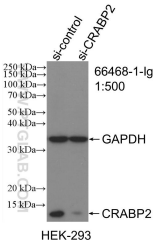
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

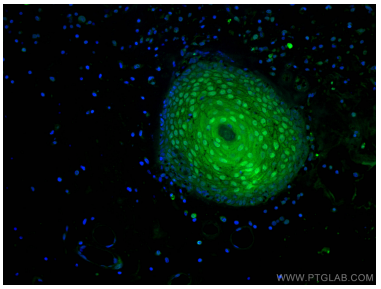
Selected Validation Data



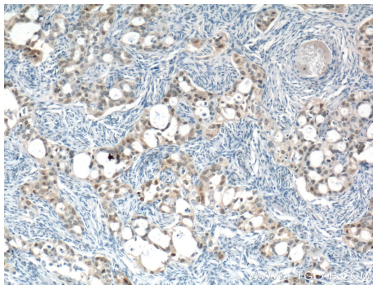
T-47D cells were subjected to SDS PAGE followed by western blot with 66468-1-Ig (CRABP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



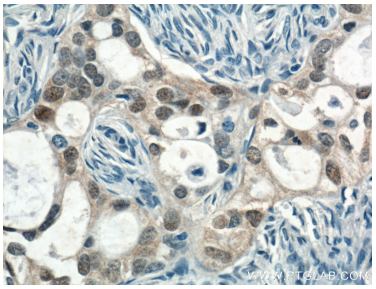
WB result of CRABP2 antibody (66468-1-Ig; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-CRABP2 transfected HEK-293 cells.



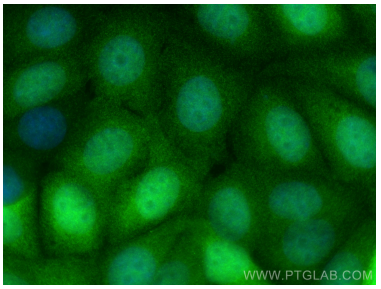
Immunofluorescent analysis of (4% PFA) fixed human skin cancer tissue using CRABP2 antibody (66468-1-Ig, Clone: 1A5F3) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



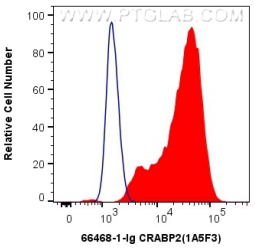
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66468-1-Ig (CRABP2 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.