For Research Use Only

CRABP2 Polyclonal antibody

Catalog Number:10225-1-AP Featured Product 37 Publications

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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 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF 1:50-1:500

Applications

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

Cited Applications:
WB, IP, IF, IHC, 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 : MCF-7 cells, human skin cancer tissue

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.

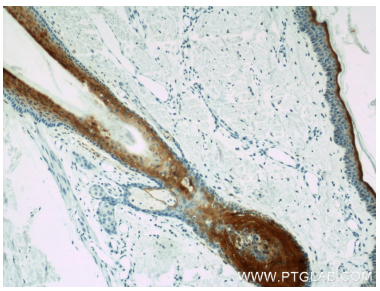
Notable Publications

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

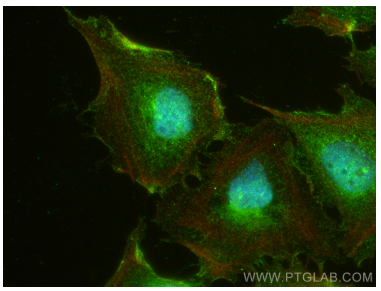
Storage

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

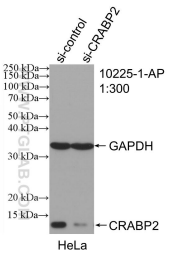
Selected Validation Data



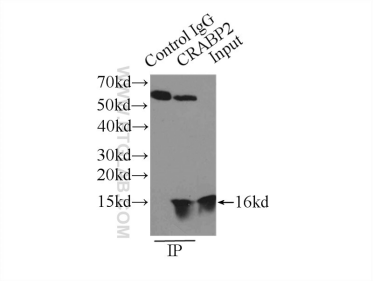
Immunohistochemical analysis of paraffin-embedded human skin using 10225-1-AP (CRABP2 antibody) at dilution of 1:50 (under 10x lens).



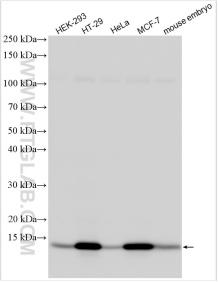
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CRABP2 antibody (10225-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



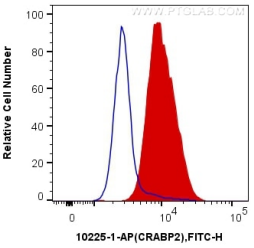
WB result of CRABP2 antibody (10225-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-CRABP2 transfected HeLa cells.



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.



1X10^6 MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human CRABP2 (10225-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).