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CRABP2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14756b

Product Information

Application	WB, E
Primary Accession	P29373
Other Accession	Q5PXY7, NP_001869.1
Reactivity	Human, Rat, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34963
Calculated MW	15693
Antigen Region	87-116

Additional Information

Gene ID	1382
Other Names	Cellular retinoic acid-binding protein 2, Cellular retinoic acid-binding protein II, CRABP-II, CRABP2
Target/Specificity	This CRABP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 87-116 amino acids from the C-terminal region of human CRABP2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CRABP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CRABP2
Function	Transports retinoic acid to the nucleus. Regulates the access of retinoic acid to the nuclear retinoic acid receptors.

Cellular Location	Cytoplasm. Endoplasmic reticulum. Nucleus. Note=Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus

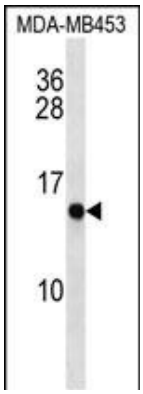
Background

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. The inducibility of the CRABP2 gene suggests that this isoform 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. [provided by RefSeq].

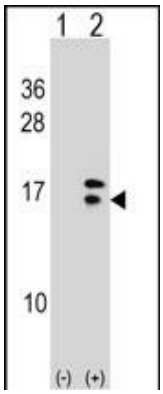
References

Sola, R., et al. Atherosclerosis 211(2):630-637(2010) Manolescu, D.C., et al. Pediatr. Res. 67(6):598-602(2010) Calmon, M.F., et al. Neoplasia 11(12):1329-1339(2009) Corlazzoli, F., et al. PLoS ONE 4 (1), E4305 (2009) : Gupta, A., et al. Exp. Cell Res. 314(20):3663-3668(2008)

Images



CRABP2 Antibody (C-term) (Cat. #AP14756b) western blot analysis MDA-MB453 cell line lysates (35ug/lane).This demonstrates the CRABP2 antibody detected the CRABP2 protein (arrow).



Western blot analysis of CRABP2 (arrow) using rabbit polyclonal CRABP2 Antibody (C-term) (Cat. #AP14756b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CRABP2 gene.