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CRABP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5422b

Product Information

Application	WB, IHC-P, E
Primary Accession	P29762
Other Accession	P62966, P62965, P40220, P62964, NP_004369.1
Reactivity	Human, Mouse
Predicted	Bovine, Chicken, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26825
Calculated MW	15566
Antigen Region	90-118

Additional Information

Gene ID	1381
Other Names	Cellular retinoic acid-binding protein 1, Cellular retinoic acid-binding protein I, CRABP-I, CRABP1, RBP5
Target/Specificity	This CRABP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-118 amino acids from the C-terminal region of human CRABP1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	CRABP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CRABP1
Synonyms	RBP5

Function	Cytosolic CRABPs may regulate the access of retinoic acid to the nuclear retinoic acid receptors.
Cellular Location	Cytoplasm.

Background

This gene encodes a specific binding protein for a vitamin A family member and is thought to play an important role in retinoic acid-mediated differentiation and proliferation processes. It is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid at specific sites within the nucleus, which may contribute to vitamin A-directed differentiation in epithelial tissue.

References

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Uhrig, M., et al. BMC Med 6, 38 (2008) :
Guidez, F., et al. Proc. Natl. Acad. Sci. U.S.A. 104(47):18694-18699(2007)
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Flagiello, D., et al. Cytogenet. Cell Genet. 76 (1-2), 17-18 (1997) :
Liu, W., et al. Biochem. Biophys. Res. Commun. 229(3):922-929(1996)
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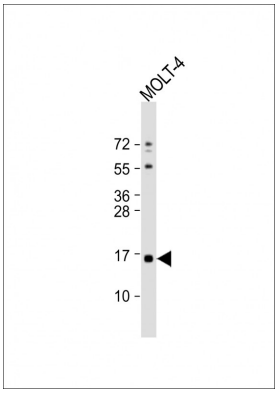
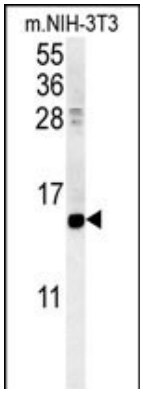
Astrom, A., et al. J. Biol. Chem. 266(26):17662-17666(1991)
Ong, D.E. Arch Dermatol 123 (12), 1693-1695A (1987) :

Images

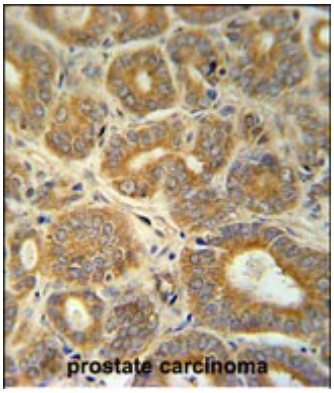


Anti-CRABP1 Antibody (C-term) at 1:1000 dilution + MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 16 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



CRABP1 Antibody (C-term)(Cat. #AP5422b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the CRABP1 antibody detected the CRABP1 protein (arrow).

CRABP1 Antibody (C-term) (Cat. #AP5422b) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed



by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CRABP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.