



## CRABP II (Cellular retinoic acid binding protein II) $\hat{A}$ Monoclonal Antibody

Cat No: G01003 - 100  $\hat{A}$ L

### General Data

<b>Shipping:</b>	wet ice
<b>Formulation:</b>	Liquid Ascite, does not contain any preservative therefore avoid repeat freezing and thawing cycles
<b>Host:</b>	Mouse
<b>Antigen:</b>	recombinant protein corresponding to full length human CRABP II
<b>Clone:</b>	3B3
<b>Isotype:</b>	IgG2a, $\kappa$



<b>Application(s):</b>	ELISA
	Western Blot
	Immunocytochemistry
	Immunohistochemistry
	redommeded dilution: 1/500-1/5000

**Specificity:** mouse and human CRABP II. No cross reactivity on CRABP I.

### Product Overview

The vitamin A metabolite retinoic acid (RA) regulates gene transcription by activating several members of the nuclear receptor family of ligand-activated transcription factors: the classical RA receptors RAR $\alpha$ , RAR $\beta$ , and RAR $\gamma$  and the peroxisome proliferator-activated receptor  $\beta/\delta$  (PPAR $\beta/\delta$ ). The partitioning of the hormone between its receptors is regulated by two intracellular lipid-binding proteins, cellular retinoic acid-binding protein type II (CRABP-II), which delivers RA to RAR, and fatty acid-binding protein type 5 (FABP5), which shuttles it to PPAR $\beta/\delta$ .

### Scientific Literature

Gaub MP, Lutz Y, Ghyselinck NB, Scheuer I, Pfister V, Chambon P, Rochette-Egly C. Nuclear detection of cellular retinoic acid binding proteins I and II with new antibodies. *J Histochem Cytochem.* 1998 Oct;46(10):1103-11.

Delva L, Bastie JN, Rochette-Egly C, Kraiba R, Balitrand N, Despouy G, Chambon P, Chomienne C. Physical and functional interactions between cellular retinoic acid binding protein II and the retinoic acid-dependent nuclear complex. *Mol Cell Biol.* 1999 Oct;19(10):7158-67.

FP/17/24

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#### Contact Bertin Bioreagent

Parc d'Activit s du Pas du Lac  
10 bis avenue Amp re  
78180 Montigny le Bretonneux - France  
Tel.: +33 (0)139 306 036  
<https://www.bertin-bioreagent.com/pa206/contact-us>  
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