



## CRABP II (Cellular retinoic acid binding protein II) Monoclonal Antibody

Cat No: G01003 - 100 µL

### 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, κ  |

|                        |                                   |
|------------------------|-----------------------------------|
| <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.

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