Product information

Monoclonal anti-human CRABP2 antibody (clone AT2E11)

Mouse IgG_{2a}, κ

Cat. No. IBATGA0134

Immunogen: Recombinant human CRABP2 (1-138aa) purified from *E. coli.*

NCBI Accession No.: NP_001869

Isotype: Mouse IgG_{2a} heavy chain and κ light chain

Clone: Anti-human CRABP2 mAb, clone AT2E11, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CRABP2 protein.

Description: The cellular retinoic acid-binding protein II (CRABP-II) is involved in the conversion of vitamin A into its intracellular active form retinoic acid, which regulate the genes responsible for lipid metabolism and adipocyte differentiation. CRABP2 gene is located on chromosome 1q21-23 and this region has been linked with related disorders such as familial combined hyperlipidemia (FCHL) and type 2 diabetes mellitus.

Concentration: 1mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

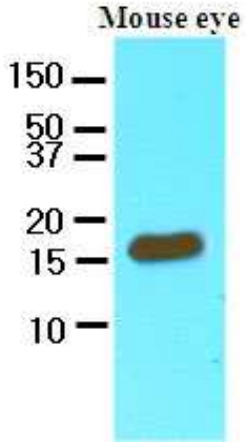
Application: ELISA, WB, Flow cytometry, ICC/IF

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

Product information

Western blot analysis

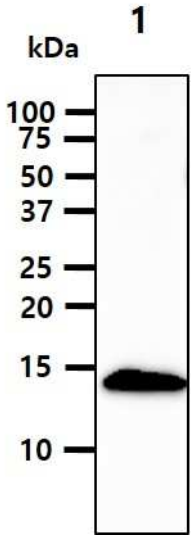
Cell lysates of mouse eye (60ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human CRABP2 (1:250). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CRABP2 antibody (1:250). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1. : MCF-7 cell lysate

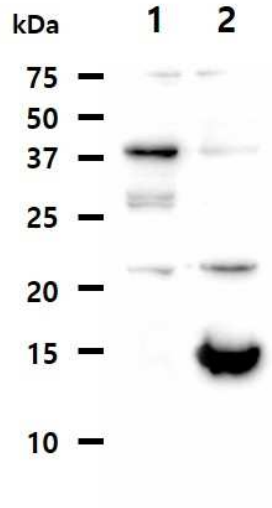


Western blot analysis

The Cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CRABP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1. : 293T cell lysate

Lane 2. : CRABP2 Transfected 293T cell lysate



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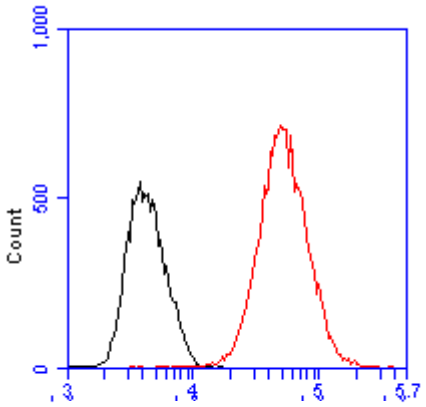
Flow cytometry

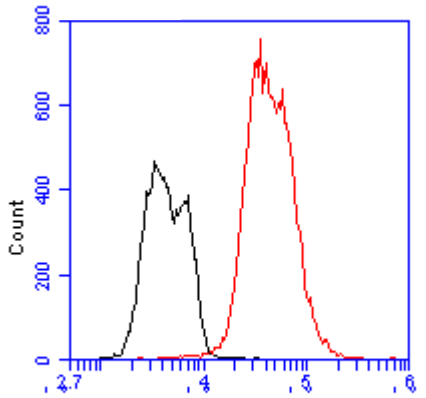
Flow cytometry analysis of CRABP2 in MCF7 cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Alexa488-anti-CRABP2

Flow cytometry

Flow cytometry analysis of CRABP2 in Hep3B cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



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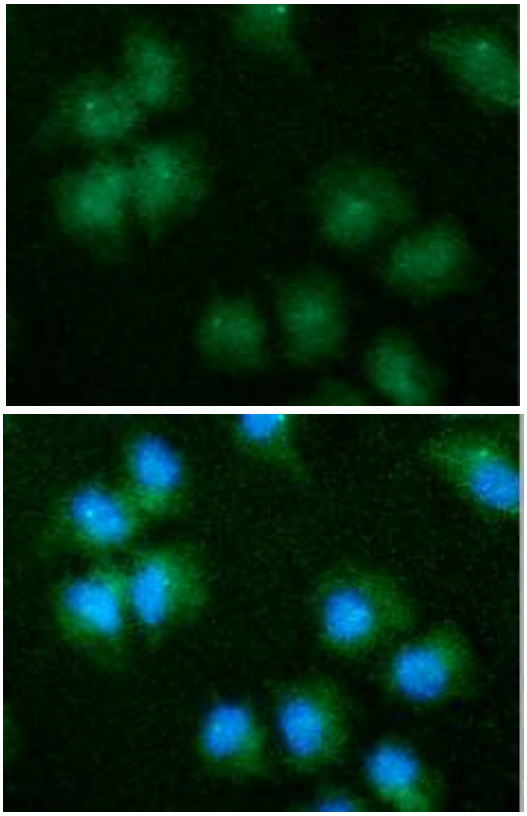
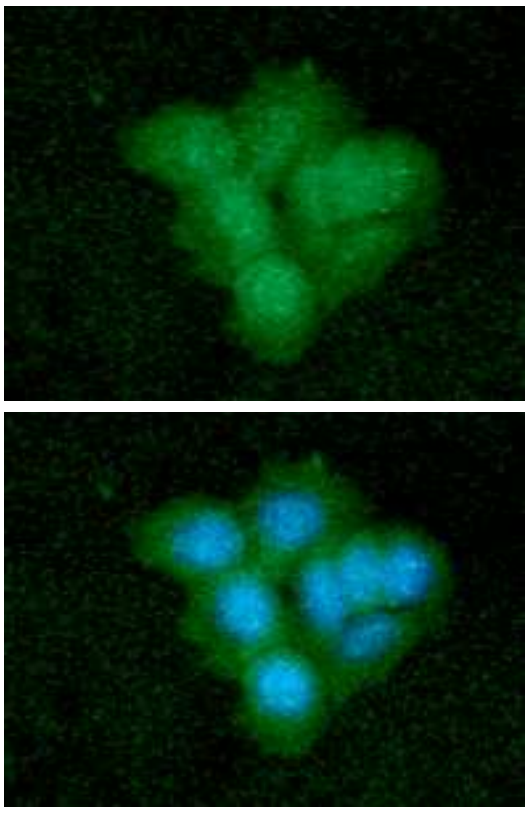
ICCIF analysis

ICC/IF analysis of CRABP2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CRABP2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



ICC/IF analysis

ICC/IF analysis of CRABP2 in MCF7 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CRABP2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



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General references: Astrom,A., *et al.* (1991). *J. Biol. Chem*. **266(26):** 17662-17666

Gupta,A., *et al.* (2006). *Cancer Res.* **66(16):** 8100-8108

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