Human CRABP2 antibody

Catalog Number: ATGA0134

PRODUCT INFORMATION

Catalog number
ATGA0134

Clone No.
AT2E11

Product type
Monoclonal Antibody

UnitProt No.
P29373

NCBI Accession No.
NP_001869

Alternative Names
Cellular retinoic acid binding protein 2, RBP6, CRABP-II, Cellular retinoic acid binding protein 2, CRABP2, RBP6, CRABP-II, Cellular retinoic acid binding protein 2 Cellular retinoic acid binding protein II, CRABP II, CRABPII

PRODUCT SPECIFICATION

Antibody Host
Mouse

Reacts With
Human

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

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

Isotype
IgG2a kappa

Purification Note
By protein-G affinity chromatography

Application
ELISA, WB, ICC/IF

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

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

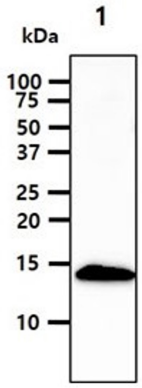
The cellular retinoic acid-binding protein II (CRABP-II) is involved in the conversion of vitamin A into its intracellular active form retinoic acid, which regulate the genes responsible for lipid metabolism and adipocyte differentiation. CRABP2 gene is located on chromosome 1q21-23 and this region has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

General References

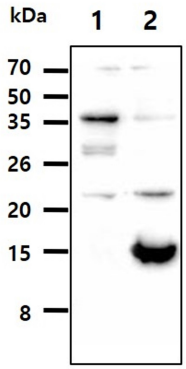
Astrom,A., et al (1991). J. Biol. Chem. 266 (26), 17662-17666.
Gupta,A., et al (2006). Cancer Res. 66 (16), 8100-8108.

DATA

Western blot analysis (WB)



The cell lysate (40ug) was 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

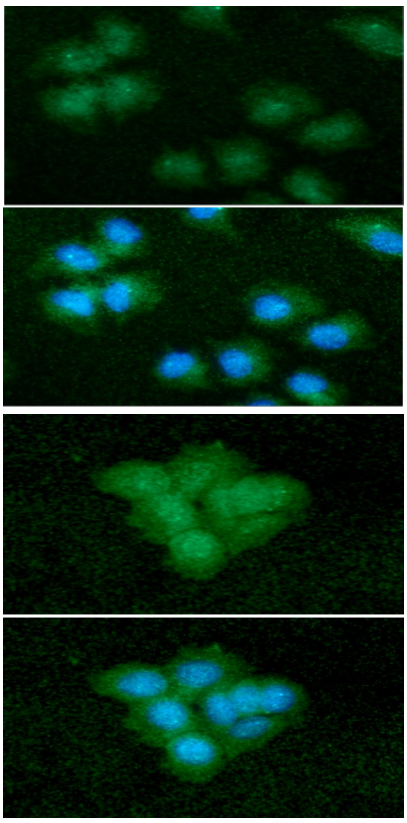


The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CRABP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1. : 293T cell lysate
Lane 2. : CRABP2 Transfected 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of CRABP2 in HeLa cells. The cell was stained with ATGA0134 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ICC/IF analysis of CRABP2 in MCF7 cells. The cell was stained with ATGA0134 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.