Human ADI1 antibody

Catalog Number: ATGA0248

PRODUCT INFORMATION

Catalog number
ATGA0248

Clone No.
AT27E8

Product type
Monoclonal Antibody

UnitProt No.
Q9BV57

NCBI Accession No.
NP_060739.1

Alternative Names
Acireductone dioxygenase 1, APL1, ARD, FLJ10913, HMFT1638, MTCBP-1, SIPL

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 ADI1 (1-179aa) purified from E. coli

Isotype
IgG1 kappa

Purification Note
By protein-A 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.

Storage

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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

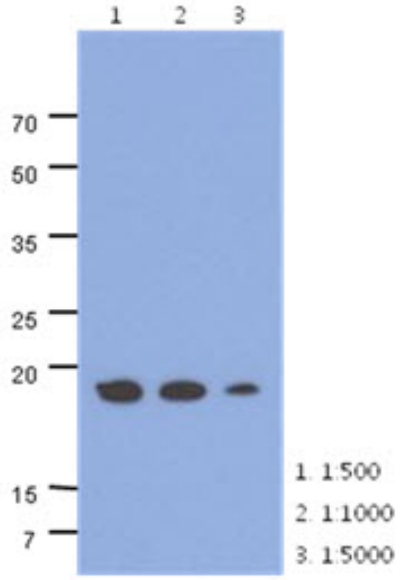
ADI1 is an enzyme that belongs to the acireductone dioxygenase family of metal-binding enzymes, which are involved in methionine salvage. This enzyme may regulate mRNA processing in the nucleus, and may carry out different functions depending on its localization. Also, it down-regulates cell migration mediated by MMP14.

General References

Gotoh I, Uekita T, Seiki M (2007). Genes Cells 12 (1): 105-17.
Oram SW, Ai J, Pagani GM, et al. (2007). Neoplasia 9 (8): 643-51.
Yeh CT, Lai HY, Chen TC, et al. (2001). J. Virol. 75 (22): 11017-24.

DATA

Western blot analysis (WB)



The cell lysates of HepG2 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ADI1 antibody (1:500 ~ 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Immunocytochemistry/Immunofluorescence (ICC/IF)

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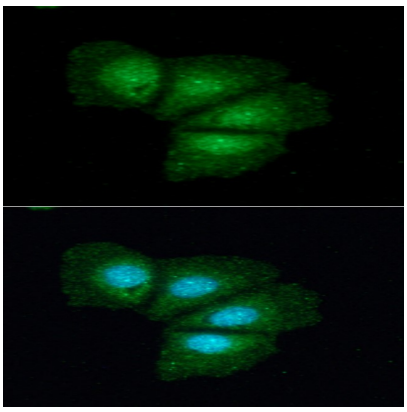

ICC/IF analysis of ADI1 in Hep3B cells. The cell was stained with ATGA0248 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).