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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

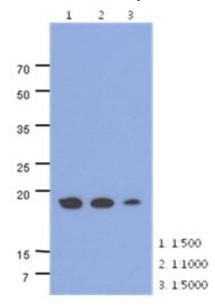
ADI1 is an enzyme that belongs to the acireductone dioxygenase family of metal-binding enzymes, which are involved in methionine salvage. This enzyme may regulate mRNA processing in the nucleus, and may carry out different functions depending on its localization. Also, it down-regulates cell migration 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 \sim 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

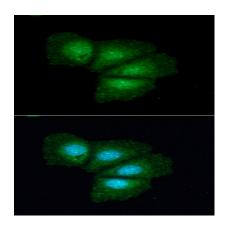
Immunocytochemistry/Immunofluorescence (ICC/IF)



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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).

