

Mouse anti-Human ADI1 Monoclonal Antibody | anti-ADI1 antibody

ADI1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48109	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

ADI1; Monoclonal Antibody; ADI1 antibody; Acireductone dioxygenase 1; APL1; ARD; FLJ10913; HMFT1638; MTCBP-1; SIPL; anti-ADI1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT27E8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	179
Applicable Applications for anti-ADI1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ADI1 (1-179aa) purified from E. coli
Clone Note	Anti-human ADI1 mAb, clone AT27E8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ADI1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ADI1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ADI1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates of HepG2 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ADI1 antibody (1:500 ~ 1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-ADi1 antibody	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.
Product Categories/Family for anti-ADi1 antibody	Signal Transduction
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8922762
NCBI GeneID	55256
NCBI Accession #	NP_060739.1
NCBI GenBank Nucleotide #	NM_018269.1
Molecular Weight	20,332 Da
NCBI Official Full Name	acireductone dioxygenase 1
NCBI Official Synonym Full Names	acireductone dioxygenase 1
NCBI Official Symbol	ADi1
NCBI Official Synonym Symbols	ARD; APL1; SIPL; mtuD; Fe-ARD; MTCBP1; Ni-ARD; HMFT1638
NCBI Protein Information	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase
UniProt Protein Name	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase
UniProt Gene Name	ADi1
UniProt Synonym Gene Names	Sip-L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/adi1-antibody-clone-at27e8-immunofluorescence-immunocytochemistry-western-blot-elisa/48109>