

Mouse ADI1 Monoclonal Antibody | anti-ADI1 antibody

ADI1 antibody

CATALOG # AAA74754	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

ADI1; Monoclonal Antibody; ADI1 antibody; Monoclonal ADI1; Anti-ADI1; Acireductone dioxygenase; Acireductone dioxygenase 1; SIPL; ARD; APL1; FLJ10913; MTCBP1; MTCBP-1; Submergence induced protein 2; ADI 1; ADI-1; anti-ADI1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3H6
Purity/Purification	ADI1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	179
Applicable Applications for anti-ADI1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	ADI1 is an enzyme that belongs to the aci-reductone 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.
Cross-Reactivity	Human
Immunogen	ADI1 antibody was raised in mouse using a full length recombinant protein of human ADI1 (NP_060739) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant ADI1 protein using ADI1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ADI1 protein (Right) or empty vector (Left) detected with ADI1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ADI1 antibody	Mouse monoclonal ADI1 antibody
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Product Categories/Family for anti-ADI1 antibody

Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	171460928
NCBI GeneID	55256
NCBI Accession #	NP_060739
NCBI GenBank Nucleotide #	NM_018269.3
UniProt Accession #	Q9BV57; Q53HW3; Q53QD3; Q57YV7; Q68CK2; Q6ZSF7; Q7Z512; Q96P85; Q9NV57; D6W4Y3
Molecular Weight	20,332 Da
NCBI Official Full Name	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase isoform 1
NCBI Official Synonym Full Names	acireductone dioxygenase 1
NCBI Official Symbol	ADI1
NCBI Official Synonym Symbols	ARD; APL1; SIPL; mtnD; 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	ARD; Fe-ARD; MTCBP-1; Sip-L
UniProt Entry Name	MTND_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/adi1-antibody-clone-3h6-western-blot-immunofluorescence-flow-cytometry-elisa/74754>