

ARG57017 anti-ADI1 antibody [27E8]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [27E8] recognizes ADI1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	27E8
Isotype	IgG1, kappa
Target Name	ADI1
Species	Human
Immunogen	Recombinant fragment around aa. 1-179 of Human ADI1.
Conjugation	Un-conjugated
Alternate Names	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase; mtnD; SIPL; Fe-ARD; APL1; MTCBP1; Membrane-type 1 matrix metalloproteinase cytoplasmic tail-binding protein 1; Sip-L; EC 1.13.11.54; Submergence-induced protein-like factor; MTCBP-1; ARD; Fe; 2+; Acireductone dioxygenase; Ni-ARD; HMFT1638

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

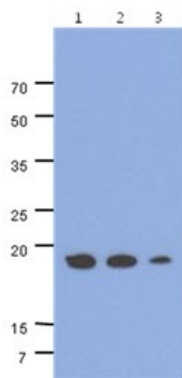
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 55256 Human Swiss-port # Q9BV57 Human
Gene Symbol	ADI1
Gene Full Name	acireductone dioxygenase 1
Background	This gene encodes 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. Related pseudogenes have been defined on chromosomes 8 and 20. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]
Function	Catalyzes the formation of formate and 2-keto-4-methylthiobutyrate (KMTB) from 1,2-dihydroxy-3-keto-5-methylthiopentene (DHK-MTPene). Also down-regulates cell migration mediated by MMP14. Necessary for hepatitis C virus replication in an otherwise non-permissive cell line. [UniProt]
Calculated Mw	21 kDa

Images



ARG57017 anti-ADI1 antibody [27E8] WB image

Western blot: 40 µg of HepG2 cell lysate stained with ARG57017 anti-ADI1 antibody [27E8] at 1) 1:500, 2) 1:1000, and, 3) 1:5000 dilution.