
Product Name: ADI1 Rabbit Polyclonal Antibody**Catalog #: APRab06631**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

Gene Name	ADI1 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase (EC 1.13.11.54;Acireductone
Alternative Names	dioxygenase (Fe(2+)-requiring);ARD;Fe-ARD;Membrane-type 1 matrix metalloproteinase cytoplasmic tail-binding protein 1;MTCBP-1;Submergence-induced protein-like factor;Sip-L)
Gene ID	55256.0
SwissProt ID	Q9BV57
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human ADI1. AA range:71-120

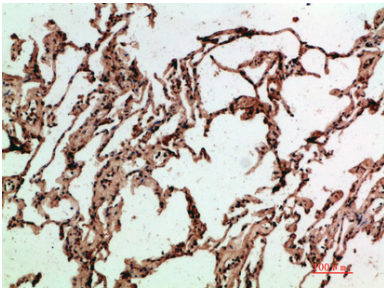
Background

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],cofactor: Binds 1 nickel ion per monomer. Can also use other divalent metal cations.,function: Has aci-reductone dioxygenase (ARD) activity and can function in the 5-methylthioadenosine (MTA) methionine salvage pathway. Down-regulates cell migration mediated by MMP14. Necessary for hepatitis C virus replication in an otherwise non-permissive cell line.,pathway: Amino-acid biosynthesis; L-methionine biosynthesis via salvage pathway; L-methionine from (S)-methyl-5-thio-alpha-D-ribose 1-phosphate: step 5/6.,similarity: Belongs to the acireductone dioxygenase (ARD) family.,subunit: Interacts with MMP14.,tissue specificity: Detected in heart, colon, lung, stomach, brain, spleen, liver, skeletal muscle and kidney.,

Research Area

Cysteine and methionine metabolism;

Image Data



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:200