

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



## Summary

<b>Production Name</b>	ADI1 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	ADI1 MTCBP1 HMFT1638 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase (EC 1.13.11.54;Acireductone 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)
<b>Alternative Names</b>	
<b>Gene ID</b>	55256.0
<b>SwissProt ID</b>	Q9BV57.The antiserum was produced against synthesized peptide derived from the Internal region of human ADI1. AA range:71-120

## Application

<b>Dilution Ratio</b>	IHC 1:50-200 ELISA 1:10000-20000
<b>Molecular Weight</b>	

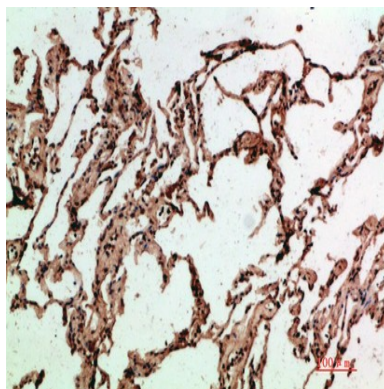
## Background

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 aci-reductone 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

## Note

For research use only.