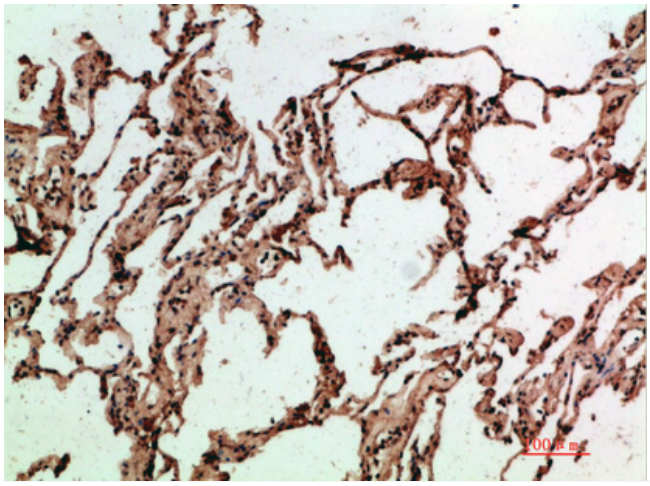
ADI1 Polyclonal Antibody

Catalog No	YP-Ab-10722
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	ADI1 MTCBP1 HMFT1638
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human ADI1. AA range:71-120
Specificity	The antibody detects endogenous ADI1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Aci reductone dioxygenase;acireductone dioxygenase 1;ADI1;APL1;ARD; HMFT1638;MTCBP 1;MTCBP1;SIP L;SIPL;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 pro;2-dihydroxy-3-keto-5-methylthiopentene dioxygenase (EC 1.13.11.54;Acireductone dioxygenase (Fe(2+)-requiring);Fe-ARD;Membrane-type 1 matrix metalloproteinase cytoplasmic tail-binding protein 1;MTCBP-1;Submergence-induced protein-like factor;Sip-L)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm . Nucleus . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Localizes to the plasma membrane when complexed to MMP14. .
Tissue Specificity	Detected in heart, colon, lung, stomach, brain, spleen, liver, skeletal muscle and kidney.

Function	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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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