



Rabbit Anti-MTCBP1 antibody

SL6507R

Product Name:	MTCBP1
Chinese Name:	膜型基质金属蛋白酶胞质尾Binding protein1抗体
Alias:	ADI 1; Adi1; Adi-1; ADI1 antibody; APL1; ARD; EC 1.13.; Membrane type 1 matrix metalloproteinase cytoplasmic tail binding protein 1; Membrane-type 1 matrix metalloproteinase cytoplasmic tail-binding protein 1; MTCBP 1; MTCBP-1; MTCBP1; MTND_HUMAN; Ni-ARD; SIPL; Submergence induced protein 2 homolog; Submergence-induced protein 2 homolog; 2-dihydroxy-3-keto-5-methylthiopentene dioxygenase; Aci reductone dioxygenase; Acireductone dioxygenase (Ni(2+)-requiring); Acireductone dioxygenase 1
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	23kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MTCBP1/ADI1 (81-126aa):81-126/179
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

his gene encodes an enzyme that belongs to the acyl-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.

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.

Subunit:

Monomer (By similarity). Interacts with MMP14.

Subcellular Location:

Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Localizes to the plasma membrane when complexed to MMP14.

Tissue Specificity:

Detected in heart, colon, lung, stomach, brain, spleen, liver, skeletal muscle and kidney.

Similarity:

Belongs to the acyl-reductone dioxygenase (ARD) family.

SWISS:

Q9BV57

Gene ID:

55256

Database links:

[Entrez Gene: 55256](#)Human

[Entrez Gene: 104923](#)Mouse

[Entrez Gene: 298934](#)Rat

[NCBI: NP_060739.2](#)Human

[Omim: 613400](#)Human

[SwissProt: Q9BV57](#)Human

[SwissProt: Q99JT9](#)Mouse

[SwissProt: Q562C9](#)Rat

Product Detail:

[Unigene: 502773](#)Human

[Unigene: 291504](#)Mouse

[Unigene: 12694](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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