

For Research Use Only

ADI1 Polyclonal antibody

Catalog Number: 15133-1-AP

3 Publications



Basic Information

Catalog Number:

15133-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7274

GenBank Accession Number:

BC001467

GeneID (NCBI):

55256

UNIPROT ID:

Q9BV57

Full Name:

acireductone dioxygenase 1

Calculated MW:

21 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : human testis tissue, rat colon tissue

IHC : human colon cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ADI1(acireductone dioxygenase 1) is also named as SIPL, ARD, APL1, HMFT1638, MTCBP-1, FLJ10913, MTCBP1 and belongs to the acireductone dioxygenase (ARD) family. It catalyzes the formation of formate and 2-keto-4-methylthiobuturate (KMTB) from 1,2-dihydroxy-3-keto-5-methylthiopentene (DHK-MTPene).The downregulation of ADI1 protein expression in human prostate cancer specimens argues that ADI1 potentially inhibits the growth that occurs during prostate cancer progression(PMID:17786183). It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Qiang	30487181	J Cell Biol	IHC
Sapna Iyer	27939882	Biochem Biophys Res Commun	WB
Hui Jiang	28455966	Oncotarget	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

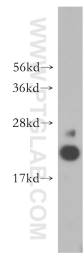
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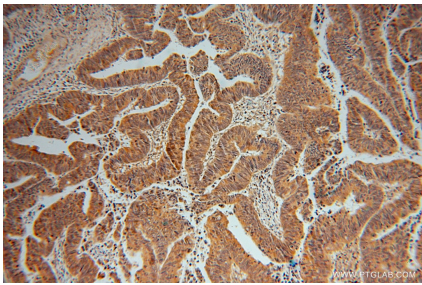
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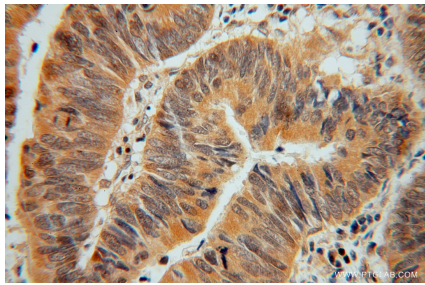
Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 15133-1-AP (ADI1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15133-1-AP (ADI1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15133-1-AP (ADI1 antibody) at dilution of 1:100 (under 40x lens).