For Research Use Only

ADI1 Polyclonal antibody

Catalog Number:15133-1-AP 3 Publications

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Basic Information

Catalog Number:
15133-1-AP

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7274

GenBank Accession Number:
BC001467

GeneID (NCBI):
55256

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:
IHC, WB,ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human

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

Positive Controls:

WB : human testis tissue, rat colon tissue

IHC : human colon cancer tissue,

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-methylthiobutyrate (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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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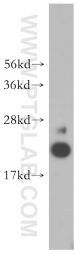
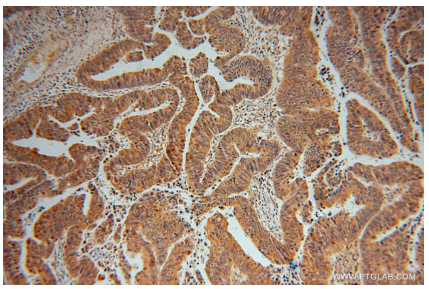
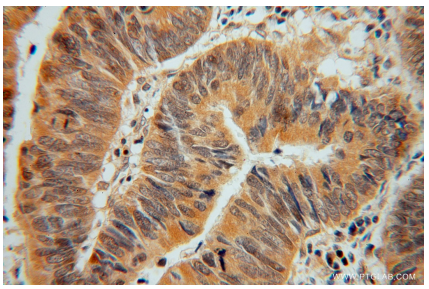
Selected Validation Data



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).