

For Research Use Only

# ADI1 Polyclonal antibody

Catalog Number: 15133-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 15133-1-AP	<b>GenBank Accession Number:</b> BC001467	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 55256	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BV57	
<b>Isotype:</b> IgG	<b>Full Name:</b> acireductone dioxygenase 1	
<b>Immunogen Catalog Number:</b> AG7274	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 20 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : human testis tissue, rat colon tissue IHC : human colon cancer tissue,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

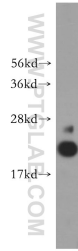
## Storage

**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

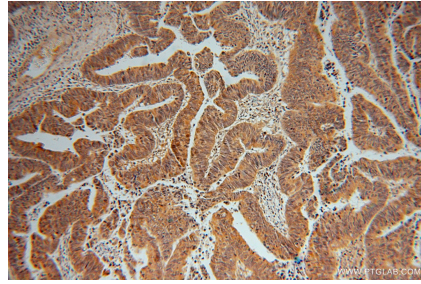
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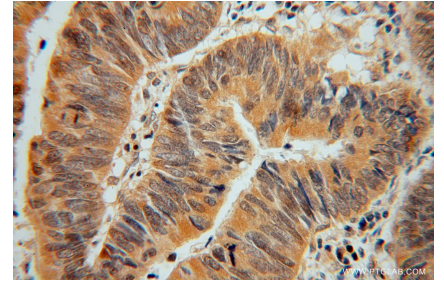
## Selected Validation Data



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).