

For Research Use Only

# DAD1 Polyclonal antibody

Catalog Number: 10531-1-AP



## Basic Information

<b>Catalog Number:</b> 10531-1-AP	<b>GenBank Accession Number:</b> BC007403	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 2000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1603	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> defender against cell death 1	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 12 kDa	<b>IF 1:20-1:200</b>
<b>Immunogen Catalog Number:</b> AG0814	<b>Observed MW:</b> 16-20 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB:</b> HEK-293 cells, HepG2 cells
<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>	<b>IP:</b> HepG2 cells,
	<b>IHC:</b> human liver cancer tissue,
	<b>IF:</b> HepG2 cells,

## Background Information

DAD1 (defender against cell death 1) is a downstream target of the NFκB survival pathway and exhibits an antiapoptotic function. It is also named as OST2 (Oligosaccharyl transferase2) and catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. Increased expression of DAD1 has been observed in various tumors.

## Storage

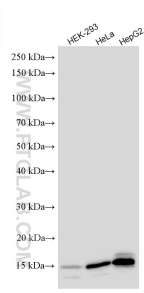
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

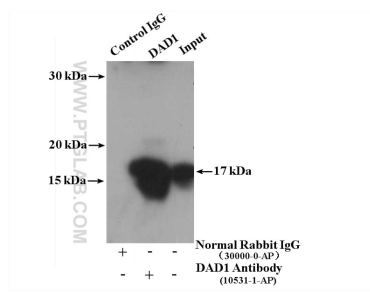
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

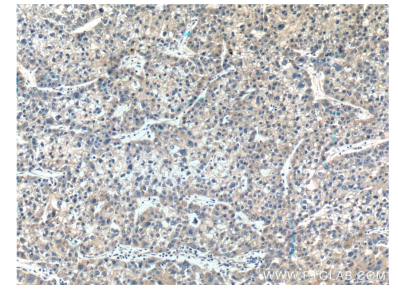
## Selected Validation Data



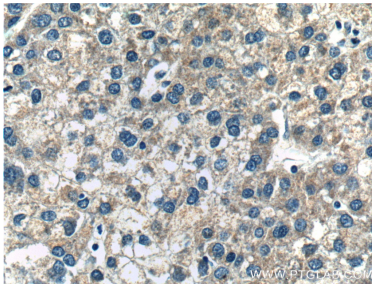
Various lysates were subjected to SDS PAGE followed by western blot with 10531-1-AP (DAD1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



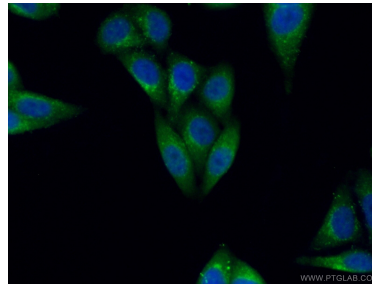
IP result of anti-DAD1 (IP:10531-1-AP, 4ug; Detection:10531-1-AP 1:700) with HepG2 cells lysate 2600 ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10531-1-AP (DAD1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10531-1-AP (DAD1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 10531-1-AP (DAD1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).