

For Research Use Only

ADAT2 Polyclonal antibody

Catalog Number: 13621-1-AP **1 Publications**



Basic Information

Catalog Number: 13621-1-AP	GenBank Accession Number: BC037955	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 134637	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q7Z6V5	
Isotype: IgG	Full Name: adenosine deaminase, tRNA-specific 2, TAD2 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG4529	Calculated MW: 191 aa, 21 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls: WB : A431 cells, mouse brain tissue, mouse pancreas tissue IP : mouse brain tissue, IHC : human hepatocirrhosis tissue, human colon cancer tissue IF/ICC : A431 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

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

ADAT2(tRNA-specific adenosine deaminase 2) is also named as DEADC1 and Belongs to the cytidine and deoxycytidylate deaminase family. It is a 24-kDa molecular mass protein that harbors all the conserved motifs required for deamination. ADAT2 and ADAT3 can function as a heterodimer which catalyses inosine formation at the wobble position (position 34) in eukaryotic tRNAs(PMID:12457566). It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Elizabeth Ramos-Morales	34057470	Nucleic Acids Res	WB

Storage

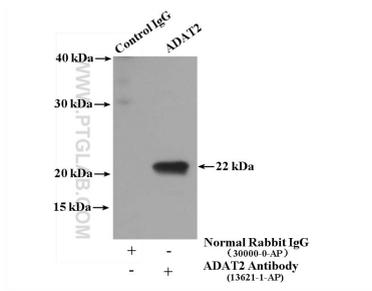
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
W: ptglab.com

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

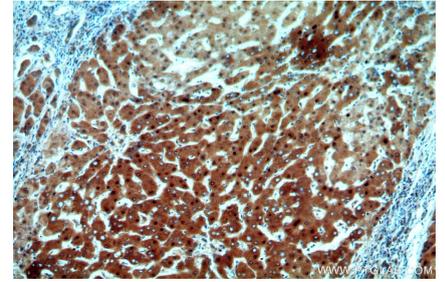
Selected Validation Data



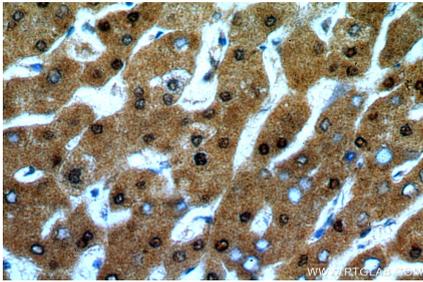
IP result of anti-ADAT2 (IP:13621-1-AP, 4ug; Detection:13621-1-AP 1:300) with mouse brain tissue lysate 3000 ug.



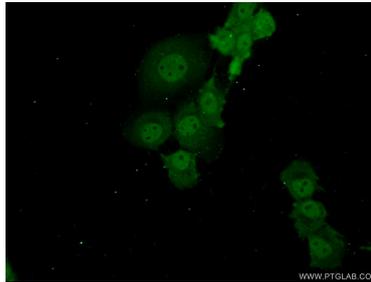
A431 cells were subjected to SDS PAGE followed by western blot with 13621-1-AP (ADAT2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



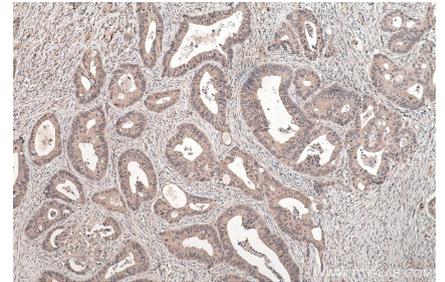
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 13621-1-AP (ADAT2 antibody) at dilution of 1:50 (under 10x lens).



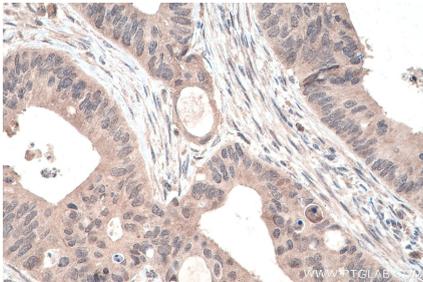
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 13621-1-AP (ADAT2 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of A431 cells using 13621-1-AP (ADAT2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13621-1-AP (ADAT2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13621-1-AP (ADAT2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).