

ADAT2 Polyclonal antibody

Catalog Number: 13621-1-AP

1 Publications

Basic Information

Catalog Number:

13621-1-AP

Size:

200 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4529

GenBank Accession Number:

BC037955

GeneID (NCBI):

134637

UNIPROT ID:

Q7Z6V5

Full Name:

adenosine deaminase, tRNA-specific
2, TAD2 homolog (S. cerevisiae)

Calculated MW:

191 aa, 21 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

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**

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,

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

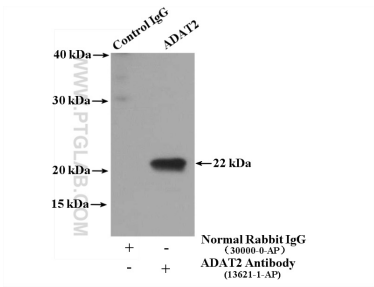
For technical support and original validation data for this product please contact:

T: 4006900926

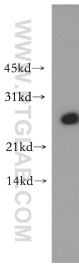
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

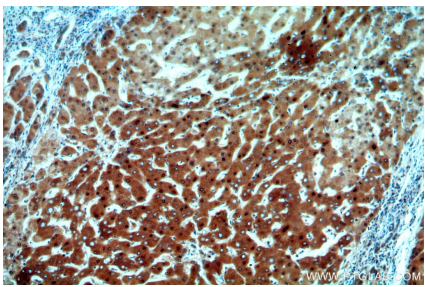
Selected Validation Data



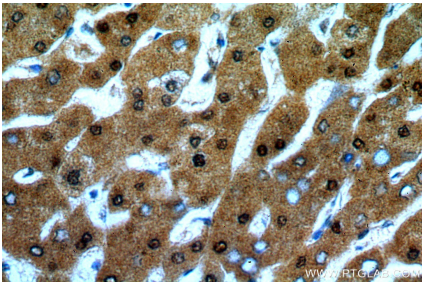
IP result of anti-ADAT2 (IP:13621-1-AP, 4ug; Detection:13621-1-AP 1:300) with mouse brain tissue lysate 3000 ug.



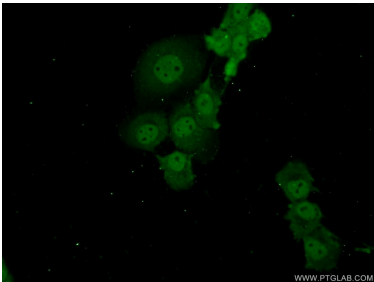
A431 cells were subjected to SDS PAGE followed by western blot with 13621-1-AP (ADAT2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



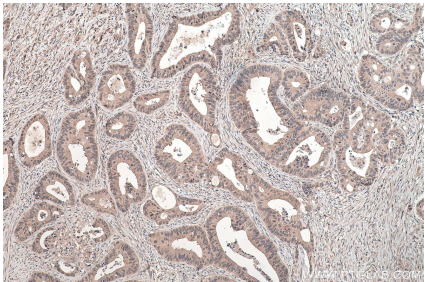
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 13621-1-AP (ADAT2 antibody) at dilution of 1:50 (under 10x lens).



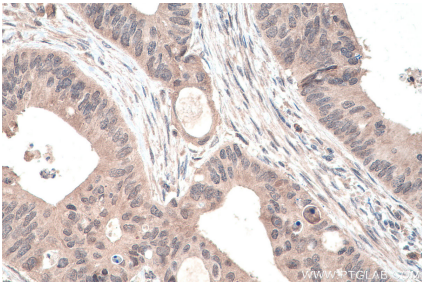
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 13621-1-AP (ADAT2 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of A431 cells using 13621-1-AP (ADAT2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure 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).