

For Research Use Only

ADARB1 Polyclonal antibody

Catalog Number: 22248-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

22248-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17743

GenBank Accession Number:

BC065545

GeneID (NCBI):

104

UNIPROT ID:

P78563

Full Name:

adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)

Calculated MW:

741 aa, 81 kDa

Observed MW:

74-86 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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, 4T1 cells, C2C12 cells, HeLa cells, NIH/3T3 cells, HepG2 cells

IP : HeLa cells,

IHC : mouse brain tissue,

Background Information

ADARB1(Double-stranded RNA-specific editase 1) is also named as ADAR2, DRADA2, RED1 and belongs to the ADAR family. It catalyses the deamination of adenosine to inosine at the GluR2 Q/R site in the pre-mRNA encoding the critical subunit of AMPA receptors. This protein has some isoforms with the molecular weight from 77 kDa to 81 kDa and 7 kDa, but it can be detected a very strong band at 50 kDa in addition to a predicted band at 75 kDa as the result of western blot, while ADARB1 has several alternative splice variants (PMID:23103828).

Notable Publications

Author	Pubmed ID	Journal	Application
Weijun Tang	36247235	Am J Transl Res	IHC
Xiang Wang	31491024	PLoS One	WB
Fangyi Han	35605649	Exp Cell 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

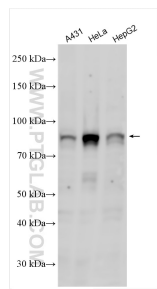
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

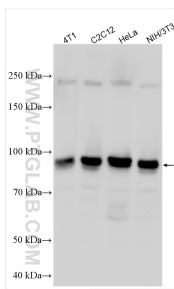
E: proteintech@ptglab.com
W: ptglab.com

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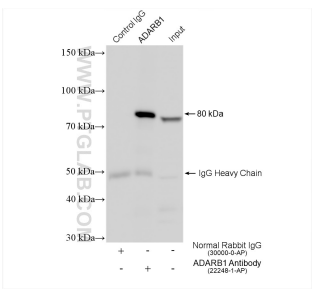
Selected Validation Data



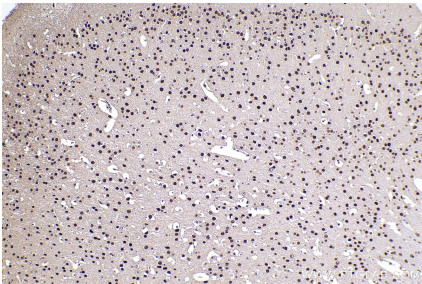
Various lysates were subjected to SDS PAGE followed by western blot with 22248-1-AP (ADARB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



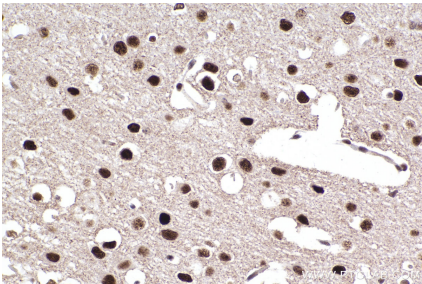
Various lysates were subjected to SDS PAGE followed by western blot with 22248-1-AP (ADARB1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-ADARB1 (IP:22248-1-AP, 4ug; Detection:22248-1-AP 1:1000) with HeLa cells lysate 1080 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 22248-1-AP (ADARB1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 22248-1-AP (ADARB1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).