

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

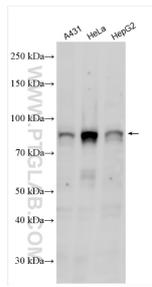
For technical support and original validation data for this product please contact:

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

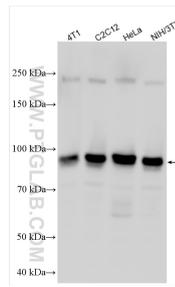
E: proteintech@ptglab.com
W: ptglab.com

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

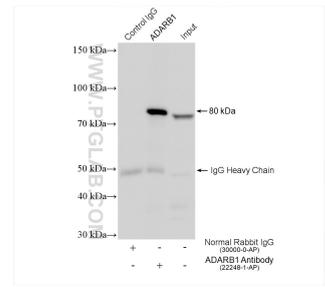
Selected Validation Data



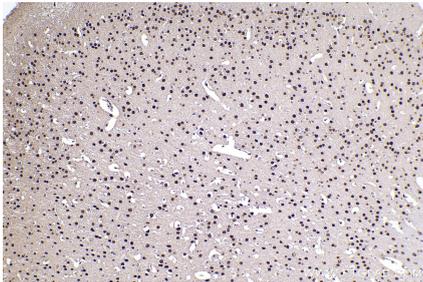
Various lysates were subjected to SDS PAGE followed by western blot with 22248-1-AP (ADARB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



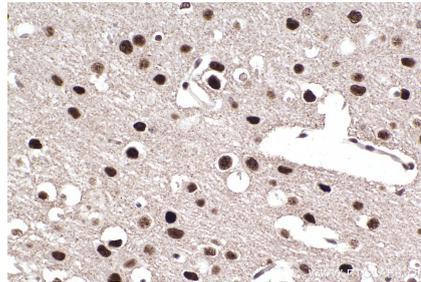
Various lysates were subjected to SDS PAGE followed by western blot with 22248-1-AP (ADARB1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).