

For Research Use Only

ADARB1 Polyclonal antibody

Catalog Number: 22248-1-AP

Featured Product

10 Publications



Basic Information

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| Catalog Number: 22248-1-AP | GenBank Accession Number: BC065545 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 104 | Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB |
| Source: Rabbit | Full Name: adenosine deaminase, RNA-specific, B1 (RED1 homolog rat) | |
| Isotype: IgG | Calculated MW: 741 aa, 81 kDa | |
| Immunogen Catalog Number: AG17743 | Observed MW: 70 kDa, 80 kDa | |

Applications

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| Tested Applications: IP, WB, ELISA | Positive Controls: WB : rat brain tissue, A431 cells |
| Cited Applications: IF, IHC, WB | IP: A431 cells, |
| Species Specificity: human, rat | |
| Cited Species: human, mouse, rat | |

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 |
|---------------|-----------|--------------|-------------|
| Xiang Wang | 31491024 | PLoS One | WB |
| Fangyi Han | 35605649 | Exp Cell Res | WB |
| Alessia Mirra | 28515487 | Sci Rep | IF |

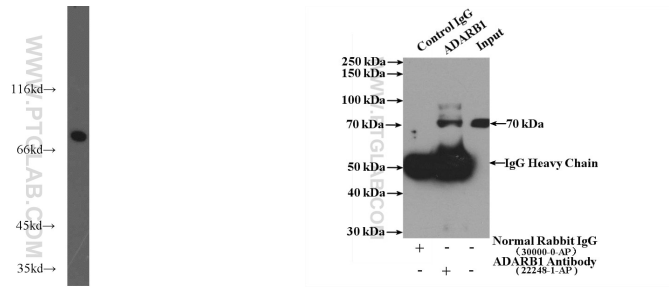
Storage

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 22248-1-AP (ADARB1 antibody) at dilution of 1:1000 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 A431 cells lysate 1200ug.