

**Product Name: ADAR2 Rabbit Polyclonal Antibody**  
**Catalog #: APRab06605**



## Summary

<b>Production Name</b>	ADAR2 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	ADARB1
<b>Alternative Names</b>	ADARB1; ADAR2; DRADA2; RED1; Double-stranded RNA-specific editase 1; RNA-editing deaminase 1; RNA-editing enzyme 1; dsRNA adenosine deaminase
<b>Gene ID</b>	104.0
<b>SwissProt ID</b>	P78563.The antiserum was produced against synthesized peptide derived from human ADARB1. AA range:481-530

## Application

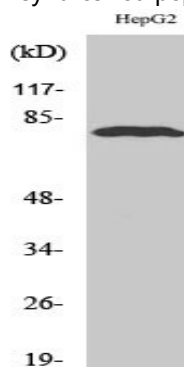
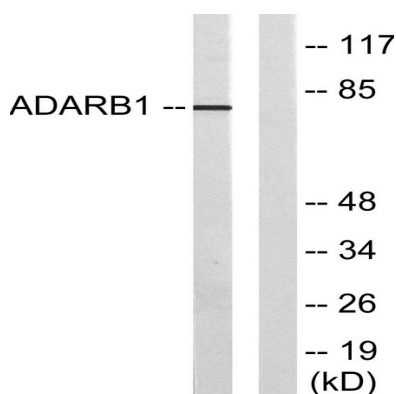
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. ELISA: 1:20000
<b>Molecular Weight</b>	80kD

## Background

This gene encodes the enzyme responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site. Alternative splicing of this gene results in several transcript variants, some of which have been characterized by the presence or absence of an ALU cassette insert and a short or long C-terminal region. [provided by RefSeq, Jul 2008],alternative products:Additional isoforms seem to exist,cofactor: Binds 1 inositol hexakisphosphate (IP6) per subunit.,function: Editing of the messenger RNAs for glutamate receptor (GluR) subunits by site-selective adenosine deamination. Edits both the GluR-B Q/R and R/G sites efficiently but converts the adenosine in hotspot1 much less efficiently.,similarity: Contains 1 A to I editase domain.,similarity: Contains 2 DRBM (double-stranded RNA-binding) domains.,

## Research Area

## Image Data



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**Note**

For research use only.