



Anti-ADARB1 (aa 620-1597) polyclonal antibody (DPAB-DC1185)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a double-stranded-RNA-specific adenosine deaminase that is involved in editing pre-mRNAs by site-specific conversion of adenosine (A) to inosine (I). Substrates for this enzyme include ionotropic glutamate receptors (GluR2-6) and serotonin receptor (5HT2C). Studies in rodents have shown that this protein can modify its own pre-mRNA by A->I editing to create a novel acceptor splice site, alternative splicing to which results in down regulation of its protein expression. Additional splicing events result in transcript variants encoding different isoforms.
Immunogen	Recombinant GST fusion protein corresponding to amino acids 620-1597 of rat Adarb1.
Source/Host	Sheep
Species Reactivity	Rat
Conjugate	Unconjugated
Applications	WB (Tissue lysate),
Format	Liquid
Size	50 µg
Buffer	In PBS (0.08% sodium azide)
Preservative	0.08% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Adarb1 adenosine deaminase, RNA-specific, B1 [Rattus norvegicus (Norway rat)]
Official Symbol	ADARB1
Synonyms	ADARB1; adenosine deaminase, RNA-specific, B1; Red1; Adar2; double-stranded RNA-specific editase 1; RNA-editing enzyme 1; RNA-editing deaminase 1; dsRNA adenosine deaminase; RNA editing deaminase of glutamate receptors;
Entrez Gene ID	25367
Protein Refseq	NP_001104525
UniProt ID	P51400
Chromosome Location	20p12
Pathway	C6 deamination of adenosine; Gene Expression; mRNA Editing: A to I Conversion.
Function	RNA binding; double-stranded RNA adenosine deaminase activity; double-stranded RNA binding; metal ion binding
