

ADAR2 Polyclonal Antibody

Catalog No: YT0119

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: ADAR2

Gene Name: ADARB1

Protein Name: Double-stranded RNA-specific editase 1

P78563

Q91ZS8

Human Gene Id: 104

Human Swiss Prot

No:

Mouse Gene Id: 110532

Mouse Swiss Prot

No:

Rat Gene ld: 25367

Rat Swiss Prot No: P51400

Immunogen: The antiserum was produced against synthesized peptide derived from human

ADARB1. AA range:481-530

Specificity: ADAR2 Polyclonal Antibody detects endogenous levels of ADAR2 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 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],

Function : 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.,

Subcellular

Nucleus . Nucleus, nucleolus . Shuttles between nucleoli and the nucleoplasm. .;

Location : [Isoform 1]: Nucleus . Nucleus, nucleolus .; [Isoform 2]: Nucleus . Nucleus,

nucleolus.

Expression: Highly expressed in brain and heart and at lower levels in placenta. Fair

expression in lung, liver and kidney. Detected in brain, heart, kidney, lung and liver (at protein level).; [Isoform 5]: Highly expressed in hippocampus and colon. Expressed in pediatric astrocytomas and the protein has a decreased RNA-editing activity. The decrease in RNA editing correlates with the grade of malignancy of the tumors, with the high grade tumors showing lower editing is

seen.

Tag: hot

Sort : __1463

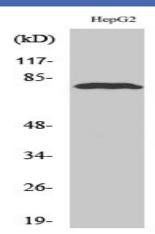
No3: ab290638

No4: __1

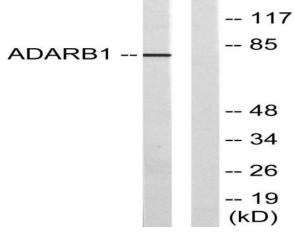
Host: Rabbit

Modifications: Unmodified

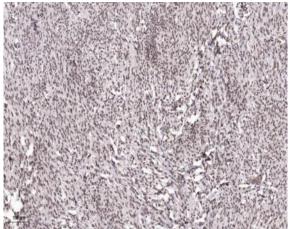




Western Blot analysis of various cells using ADAR2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of lysates from HepG2 cells, using ADARB1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Small intestinal stromal tumor. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).