

ADAR1 Polyclonal Antibody

Catalog number: 14330-1-AP

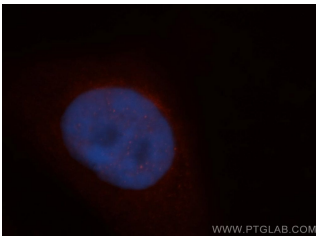
Size: 33 µg/150 µl

Source: Rabbit

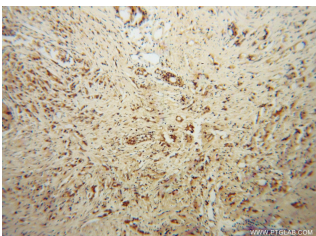
Isotype: IgG

Synonyms:

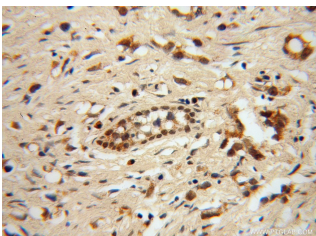
ADAR; ADAR, ADAR1,
adenosine deaminase, RNA,
DRADA, DSH, DSRAD, G1P1,
IFI 4, IFI4, Interferon inducible
protein 4, K88dsRBP, p136



Immunofluorescent analysis of HepG2 cells, using ADAR antibody 14330-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human gliomas using 14330-1-AP (ADAR1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human gliomas using 14330-1-AP (ADAR1 antibody) at dilution of 1:50 (under 40x lens)

Background

ADAR1 is also named as ADAR1, DSRAD, G1P1, IFI4. It convert selected adenosine residues into inosine in substrate RNAs containing a relatively short dsRNA region (PMID:15556947). The human ADAR1 gene specifies two size forms of RNA-specific adenosine deaminase, an interferon (IFN) inducible 150 kDa protein and constitutively expressed N-terminally truncated 110 kDa protein, encoded transcripts with alternative exon 1 structures that initiate from different promoters (PMID:11111054). It has 5 isoforms produced by alternative promoter usage and alternative splicing. Defects in ADAR are a cause of dyschromatosis symmetrical hereditaria (DSH). ADAR1 can form respective homodimers, and this association is essential for its enzymatic activities (PMID:17428802).

Applications

Tested applications:	ELISA, IHC, IF, WB, IP
Species specificity:	Human, Mouse, Rat, Pig; other species not tested.
Calculated ADAR1 MW:	136kd
Observed ADAR1 MW:	110 kDa
Positive WB detected in	HeLa cells
Positive IP detected in	Y79 cells
Positive IHC detected in	Human gliomas tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5609
GenBank accession number:	BC038227
Gene ID (NCBI):	103
Full name:	Adenosine deaminase, RNA-specific

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.