

For Research Use Only

ADAR1 Recombinant antibody, PBS Only

Catalog Number: 85009-1-PBS



Basic Information

Catalog Number: 85009-1-PBS	GenBank Accession Number: BC038227	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 103	CloneNo.: 241595E8
Source: Rabbit	UNIPROT ID: P55265	
Isotype: IgG	Full Name: adenosine deaminase, RNA-specific	
Immunogen Catalog Number: AG5609	Calculated MW: 136 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

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 IFN inducible 150 kDa protein and a constitutively expressed N-terminally truncated 110 kDa protein, encoded by 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).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

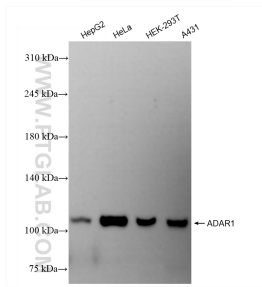
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85009-1-RR (ADAR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85009-1-PBS in a different storage buffer formulation.