

For Research Use Only

# ADAR1 Polyclonal antibody, PBS Only

Catalog Number: 14330-1-PBS

Featured Product



## Basic Information

Catalog Number:

14330-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5609

GenBank Accession Number:

BC038227

GeneID (NCBI):

103

UNIPROT ID:

P55265

Full Name:

adenosine deaminase, RNA-specific

Calculated MW:

136 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

## Background Information

ADAR1 is also named as ADAR1, DSRAD, G1P1, IF14. 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, pH7.3

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

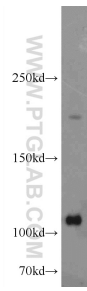
T: 4006900926

E: Proteintech-CN@ptglab.com

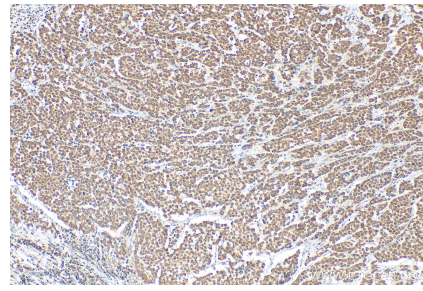
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

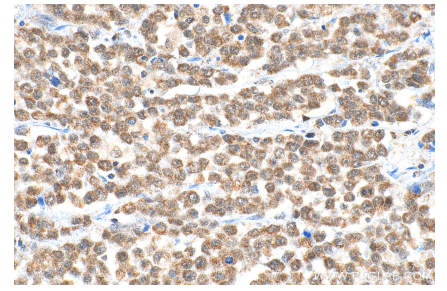
## Selected Validation Data



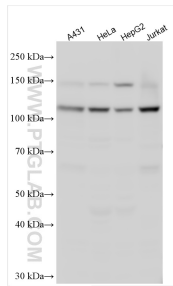
HeLa cells were subjected to SDS PAGE followed by western blot with 14330-1-AP (ADAR1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14330-1-PBS in a different storage buffer formulation.



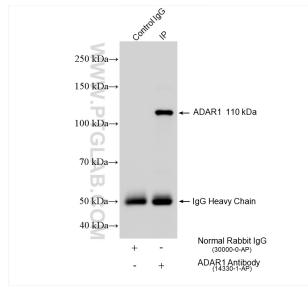
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14330-1-AP (ADAR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14330-1-PBS in a different storage buffer formulation.



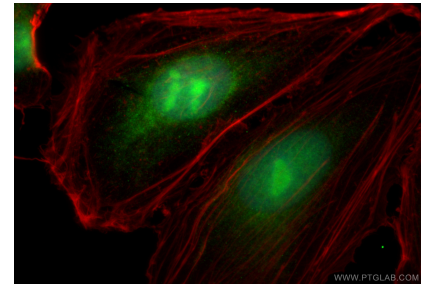
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14330-1-AP (ADAR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14330-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 14330-1-AP (ADAR1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14330-1-PBS in a different storage buffer formulation.



IP result of anti-ADAR1 (IP:14330-1-AP, 4ug; Detection:14330-1-AP 1:800) with HepG2 cells lysate 1320 ug. This data was developed using the same antibody clone with 14330-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ADAR1 antibody (14330-1-AP) at dilution of 1:400 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 14330-1-PBS in a different storage buffer formulation.