

For Research Use Only

ADAR1 Polyclonal antibody, PBS Only

Catalog Number: 14330-1-PBS **Featured Product**



Basic Information

Catalog Number: 14330-1-PBS	GenBank Accession Number: BC038227	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 103	
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, 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

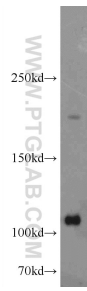
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

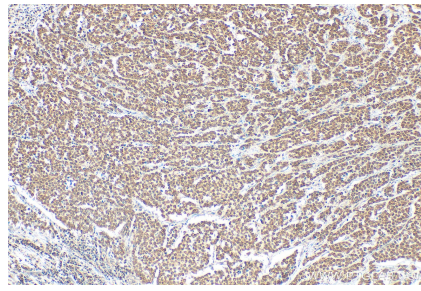
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

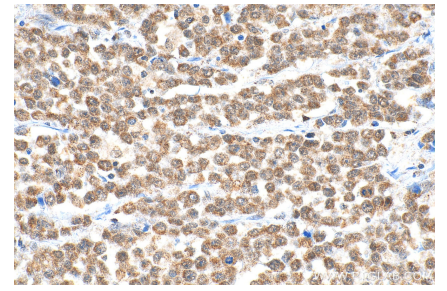
Selected Validation Data



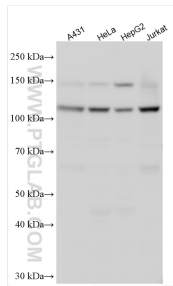
HeLa cells were subjected to SDS PAGE followed by western blot with 14330-1-AP (ADAR1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14330-1-PBS in a different storage buffer formulation.



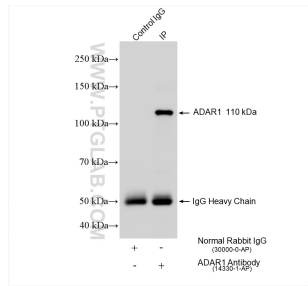
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14330-1-AP (ADAR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14330-1-PBS in a different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



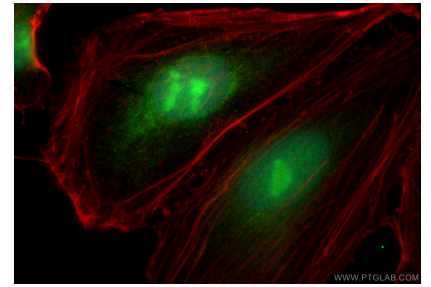
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14330-1-AP (ADAR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14330-1-PBS in a different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