

Datasheet for ABIN678239

**anti-ADAR antibody (AA 1001-1226) (Cy7)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | ADAR                                                                                                                           |
| Binding Specificity: | AA 1001-1226                                                                                                                   |
| Reactivity:          | Human, Mouse, Rat                                                                                                              |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This ADAR antibody is conjugated to Cy7                                                                                        |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human ADAR1 |
| Isotype:          | IgG                                                       |
| Cross-Reactivity: | Human, Mouse, Rat                                         |
| Purification:     | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Target:           | ADAR                                                                                  |
| Alternative Name: | Adar1 ( <a href="#">ADAR Products</a> )                                               |
| Background:       | Synonyms: 136 kDa double stranded RNA binding protein, Adar 1, ADAR, Adar1, Adenosine |

## Target Details

deaminase RNA specic 1, Adenosine deaminase RNA specic, Adenosine deaminase that act on RNA, AV242451, Double stranded RNA specic adenosine deaminase, Double-stranded RNA-specific editase Adar, Drada, Dsh, Dsrad, dsRNA adenosine deaminase, EC 3.5.4.-, G1P1, I 4, I4, i4 protein, Interferon induced protein 4, Interferon inducible protein 4, K88dsrbp, mZaADAR, p136, Pre-mRNA adenosine deaminase, RNA adenosine deaminase 1, RNA-editing deaminase 1, RNA-editing enzyme 1.

Background: ADAR1 converts adenosine to inosine in dsRNA, which destabilizes the dsRNA helix. This activity is important for various functions like site-specific RNA editing of transcripts of the glutamate receptors and modifying viral RNA genomes (which may be responsible for hypermutation of certain negative-stranded viruses, e.g., measles virus). ADAR1 also binds to short interfering RNAs (siRNA) without editing them and suppresses siRNA-mediated RNA interference. This protein is ubiquitously expressed, with the highest levels being found in brain and lung.

Gene ID: 103

Pathways: [Protein targeting to Nucleus](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months