

Datasheet for ABIN678242

anti-ADAR antibody (AA 1001-1226) (HRP)[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 HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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 (ADAR Products)
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-specic 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: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

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.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Handling

Storage:	-20 °C
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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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