



[Go to Product page](#)

Datasheet for ABIN4886426
anti-ADAR antibody (AA 128-346)

2 Images

Overview

Quantity:	100 µg
Target:	ADAR
Binding Specificity:	AA 128-346
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Double-stranded RNA-specific adenosine deaminase(ADAR) detection. Tested with WB, IHC-P in Human.
Immunogen:	E.coli-derived human ADAR1 recombinant protein (Position: S128-Q346). Human ADAR1 shares 90.2% and 50.7% amino acid (aa) sequence identity with mouse and rat ADAR1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Double-stranded RNA-specific adenosine deaminase(ADAR) detection. Tested with WB, IHC-P in Human. Gene Name: adenosine deaminase, RNA-specific Protein Name: Double-stranded RNA-specific adenosine deaminase
Purification:	Immunogen affinity purified.

Target Details

Target:	ADAR
Alternative Name:	ADAR (ADAR Products)
Background:	<p>Double-stranded RNA-specific adenosine deaminase, also known as ADAR1, is an enzyme that in humans is encoded by the ADAR gene. It is mapped to 1q21.3. This gene encodes the enzyme responsible for RNA editing by site-specific deamination of adenosines. This enzyme destabilizes double-stranded RNA through conversion of adenosine to inosine. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alternative splicing results in multiple transcript variants.</p> <p>Synonyms: Adar1 Adar 1 ADAR AGS6 AV242451 DRADA Dsh Dsrad G1P1 IFI4 IFI-4 IFI 4 P136 P55265</p>
Gene ID:	103
UniProt:	P55265
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

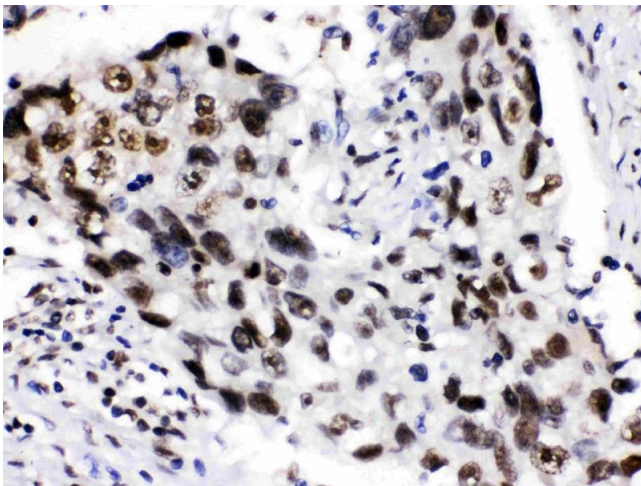
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.

Handling

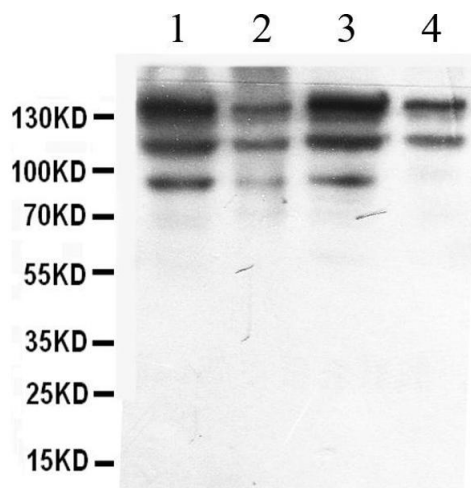
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Immunohistochemistry

Image 1. ADAR1 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti-ADAR1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 2. Western blot analysis of ADAR1 expression in HELA whole cell lysates (Lane 1), A549 whole cell lysates (Lane 2), MCF-7 whole cell lysates (Lane 3) and HEPG2 whole cell lysates (Lane 4). ADAR1 at 136KD was detected using rabbit anti- ADAR1 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).