

Rabbit ADAR Polyclonal Antibody | anti-ADAR antibody

Anti-ADAR1 Antibody

CATALOG # AAA46633	HOST Rabbit	REACTIVITY Human No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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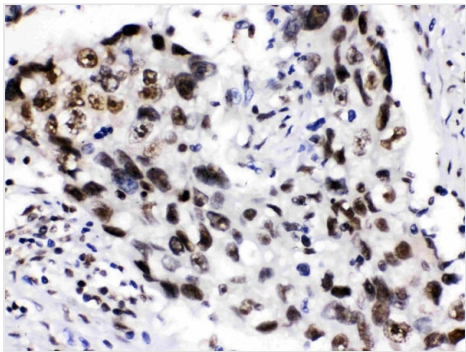
PRODUCT SYNONYMS

ADAR; Polyclonal Antibody; Anti-ADAR1 Antibody; Adar1; Adar 1; AGS6; AV242451; DRADA; Dsh; Dsrad; G1P1; IFI4; IFI-4; IFI 4; P136; P55265; Double-stranded RNA-specific adenosine deaminase; adenosine deaminase; RNA-specific; anti-ADAR antibody

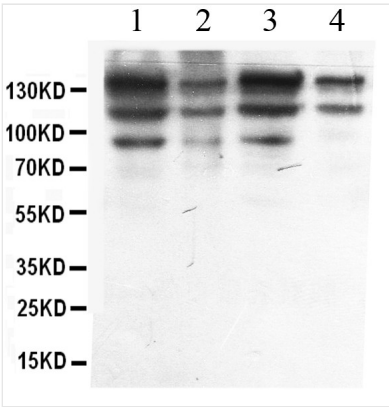
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	931
Applicable Applications for anti-ADAR antibody	IHC (Immunohistochemistry), WB (Western Blot)
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.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



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



WB (Western Blot)
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 at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-ADAR antibody	Rabbit IgG polyclonal antibody for Double-stranded RNA-specific adenosine deaminase (ADAR) detection. Background: 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.
References	1. "Entrez Gene: ADAR Adenosine Deaminase Acting on RNA". 2. Kim U, Wang Y, Sanford T, Zeng Y, Nishikura K (November 1994). "Molecular cloning of cDNA for double-stranded RNA adenosine deaminase, a candidate enzyme for nuclear RNA editing". Proceedings of the National Academy of Sciences of the United States of America 91 (24): 11457-61.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70167113
NCBI GeneID	103
NCBI Accession #	NP_001020278.1
NCBI GenBank Nucleotide #	NM_001025107.2
UniProt Accession #	P55265; O15223; O43859; O43860; Q9BYM3; Q9BYM4; B1AQQ9; B1AQR0; D3DV76
Molecular Weight	103,642 Da
NCBI Official Full Name	double-stranded RNA-specific adenosine deaminase isoform d
NCBI Official Synonym Full Names	adenosine deaminase, RNA specific
NCBI Official Symbol	ADAR
NCBI Official Synonym Symbols	DSH; AGS6; G1P1; IFI4; P136; ADAR1; DRADA; DSRAD; IFI-4; K88DSRBP
NCBI Protein Information	double-stranded RNA-specific adenosine deaminase
UniProt Protein Name	Double-stranded RNA-specific adenosine deaminase
UniProt Gene Name	ADAR
UniProt Synonym Gene Names	ADAR1; DSRAD; G1P1; IFI4; DRADA; p136; IFI-4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adar-antibody-immunohistochemistry-western-blot-elisa/46633>