

Datasheet for ABIN2774648
anti-ADAR antibody (N-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	ADAR
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAR antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ADAR
Sequence:	GEGKATTAHD LSGKLGTPKK EINRVLYSLA KKGKLQKEAG TPPLWKIAVS
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against ADAR. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ADAR
Alternative Name:	ADAR (ADAR Products)

Target Details

Background:	<p>ADAR is 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.</p> <p>Alias Symbols: ADAR1, DRADA, DSH, DSRAD, G1P1, IFI-4, IFI4, K88dsRBP, p136, P136, K88DSRBP</p> <p>Protein Interaction Partner: UBC, SUMO2, SUMO3, STAU1, STAU2, SUMO1, RPA3, RPA2, RPA1, ERG, SUZ12, EED, EZH2, BMI1, RNF2, rev, FBXO6, TARDBP, UBE2I, HDAC9, XPO1, WHSC1, TGM2, SNRPN, SNRPB, UPF1, DHX9, DDX17, HNRNPM, CAND1, CUL3, HNRNPA1, ELAVL1, HDAC5, tat, ADAR, HDLBP,</p> <p>Protein Size: 1226</p>
Molecular Weight:	136 kDa
Gene ID:	103
NCBI Accession:	NM_001111 , NP_001102
UniProt:	P55265
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1226 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

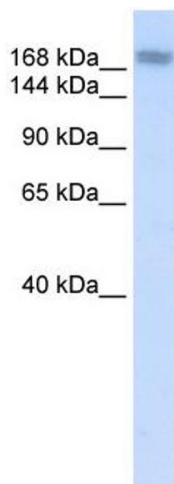
Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

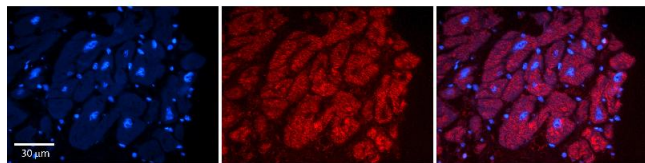
Product cited in:	Storrs, Silverstein: "PATJ, a tight junction-associated PDZ protein, is a novel degradation target of high-risk human papillomavirus E6 and the alternatively spliced isoform 18 E6." in: Journal of virology , Vol. 81, Issue 8, pp. 4080-90, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-ADAR Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Muscle



Immunohistochemistry

Image 2. Rabbit Anti-ADAR Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec