

## Basic Information

Product Name	Anti-ADAR Antibody	
Gene Name	ADAR	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.	
Immunogen	E.coli-derived human ADAR1/ADAR recombinant protein (Position: M1-E1152).	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	110KD/150KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Double-stranded RNA-specific adenosine deaminase is an enzyme that in humans is encoded by the ADAR gene. 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.

## Selected Validation Data

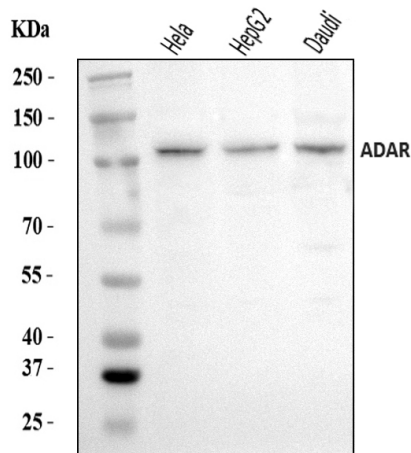


Figure 1. Western blot analysis of anti- ADAR Antibody (A00869-2).

The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: HELA whole cell lysates,

Lane 2: HEPG2 whole cell lysates,

Lane 3: Daudi whole cell lysates.

Use rabbit anti- ADAR 1:1000, probed with a goat anti-rabbit IgG-

HRP secondary antibody. The signal is developed using an

Enhanced Chemiluminescent detection (ECL) kit (Catalog #

EK1002). A specific band was detected for ADAR at approximately

110KD. The expected band size for ADAR is at 136KD.