

Product Name: KD-Validated Adenosine Deaminase RNA Specific Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01363

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 136.1kDa

Antigen Information

Gene Name	ADAR ADAR; Adenosine Deaminase RNA Specific; ADAR1; DRADA; Double-Stranded RNA-Specific Adenosine Deaminase; G1P1; IFI4; 136 KDa Double-Stranded RNA-Binding Protein;
Alternative Names	Interferon-Inducible Protein 4; Interferon-Induced Protein 4; K88DSRBP; DSRAD; IFI-4; P136; Adenosine Deaminase Acting On RNA 1-A; DsRNA Adeonosine Deaminase; DsRNA Adenosine Deaminase; EC 3.5.4.37; EC 3.5.4; AGS6; DSH
Gene ID	103.0
SwissProt ID	P55265
Immunogen	A synthesized peptide derived from human ADAR1

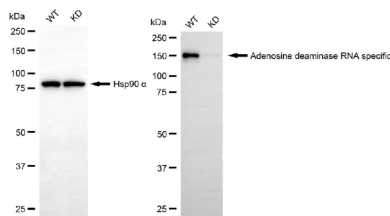
Background

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. [provided by RefSeq, Jul 2010]

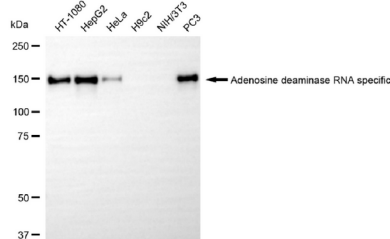
Research Area

Microbiology, Epigenetics and Nuclear Signaling

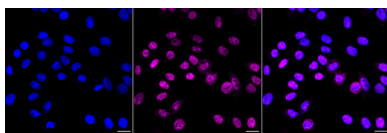
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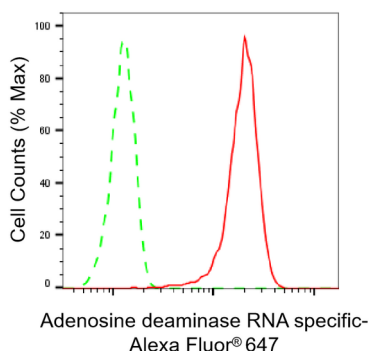
Western blotting analysis using adenosine deaminase RNA specific antibody (KVA01363). Adenosine deaminase RNA specific expression in wild-type (WT) and adenosine deaminase RNA specific (ADAR) knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with adenosine deaminase RNA specific antibody (KVA01363, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using adenosine deaminase RNA specific antibody (KVA01363). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with adenosine deaminase RNA specific antibody (KVA01363, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Adenosine deaminase RNA specific antibody (KVA01363, 1:1,000). Nuclei were stained blue with DAPI; Adenosine deaminase RNA specific was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Adenosine deaminase RNA specific expression in HepG2 cells using Adenosine deaminase RNA specific antibody (KVA01363, 1:2,000). Green, isotype control; red, Adenosine deaminase RNA specific.