

Product datasheet for **CF815219**

ADAR1 (ADAR) Mouse Monoclonal Antibody [Clone ID: OTI5G2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5G2
Applications:	WB
Recommended Dilution:	WB 1:1000-1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment of human ADAR (NP_001020278) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	103.6 kDa
Gene Name:	adenosine deaminase RNA specific
Database Link:	NP_001020278 Entrez Gene 103 Human P55265



[View online »](#)

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]

Synonyms:

ADAR1; AGS6; DRADA; DSH; DSRAD; G1P1; IFI-4; IFI4; K88DSRBP; P136

Protein Families:

Druggable Genome

Protein Pathways:

Cytosolic DNA-sensing pathway

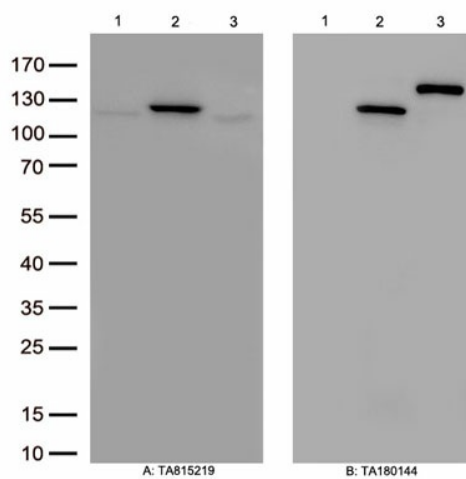
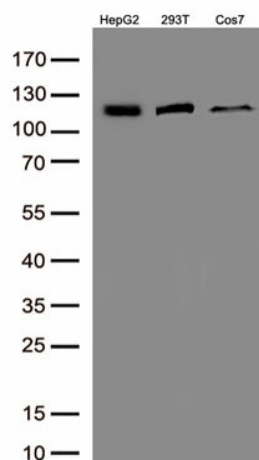
Product images:


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human ADAR plasmid ([RC219761], lane 2), mouse ADAR plasmid ([MR211714], lane 3) using anti-ADAR antibody [TA815219] (1:2000). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Western blot analysis of extracts (50ug per lane) from 3 cell lines lysates by using anti-ADAR monoclonal antibody([TA815219], 1:1000)