

ADAR1 (Adenosine Deaminase Acting on RNA 1). Sheep Antigen Immunoaffinity Purified Polyclonal
DRADA; double strand RNA specific adenosine deaminase 1, ADAR1

BACKGROUND

Double stranded RNA specific adenosine deaminase 1 (ADAR1 or DRADA) is an enzyme involved in the editing of mammalian messenger RNAs by the site specific conversion of adenosine to inosine. ADAR 1 is thought to play a role in the editing of transcripts encoding non-NMDA glutamate receptor subunits, the 2C subtype of serotonin receptor, as well as hepatitis delta virus antigen.

ORDERING INFORMATION

CATALOG NUMBER

U110P

SIZE

50 µg

FORM

Affinity Purified

HOST/CLONE

Sheep

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blot

SPECIES REACTIVITY

Rat

ACCESSION NUMBER

P55266, Rat

IMMUNOGEN

GST fusion protein containing amino acid 1116-1176 of the rat DRADA coding sequence. The fusion protein was constructed in the pGEX-KG vector by inserting a fragment corresponding to nucleotides +3346 through +3525 of DRADA at the XbaI and XhoI sites in the vector.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Applications: Immunoblotting - recommended dilution of 1:1000.

PURIFICATION

Antigen Immunoaffinity Purification

SHIP CONDITIONS

Room Temperature

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Antibodies are stable for one year from purchase if stored frozen

REFERENCES

1. Yang, J. -H., et al. 'Intracellular localization of differentially regulated RNA-specific adenosine deaminase isoforms in inflammation.' J. Biol. Chem. 2003, 278, 45833-45842
2. Wang, Q., et al. 'Stress-induced apoptosis associated with null mutation of ADAR1 RNA editing deaminase gene.' J. Biol. Chem. 2004, 279, 4952-4961
3. Yang, W., et al. 'ADAR1 RNA deaminase limits short interfering RNA efficacy in mammalian cells.' J. Biol. Chem. 2005, 280, 3946-3953

PRODUCT SPECIFIC REFERENCES