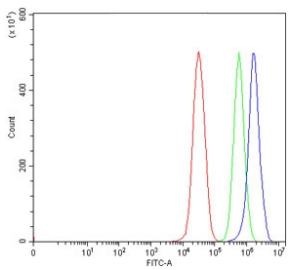
ADAR2 Antibody / ADARB1 / RED1 (RQ7318)

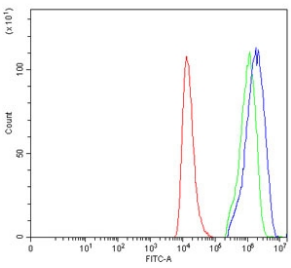
Catalog No.	Formulation	Size
RQ7318	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

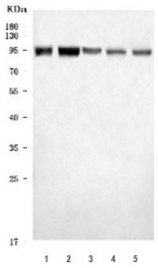
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P78563
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This ADAR2 antibody is available for research use only.



Flow cytometry testing of human 293T cells with ADAR2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ADAR2 antibody.



Flow cytometry testing of human HEL cells with ADAR2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ADAR2 antibody.



Western blot testing of 1) human SiHa, 2) human HeLa, 3) human HEL, 4) rat brain and 5) mouse brain tissue lysate with ADAR2 antibody. Expected molecular weight: 80-90 kDa.

Description

Double-stranded RNA-specific editase 1 is an enzyme that in humans is encoded by the ADARB1 gene. This gene encodes the enzyme responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site. Alternative splicing of this gene results in several transcript variants, some of which have been characterized by the presence or absence of an ALU cassette insert and a short or long C-terminal region.

Application Notes

Optimal dilution of the ADAR2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K234-R714) was used as the immunogen for the ADAR2 antibody.

Storage

After reconstitution, the ADAR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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