

ADAR1 Antibody FITC Conjugated

Catalog No: #C03979F

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Description

Product Name	ADAR1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human ADAR1
Conjugates	FITC
Target Name	ADAR1
Other Names	136kDa double stranded RNA binding protein; Adar 1; ADAR; Adar1; Adenosine deaminase RNA specific 1; Adenosine deaminase RNA specific; Adenosine deaminase that act on RNA; AV242451; Double stranded RNA specific adenosine deaminase; Double-stranded RNA-specific editase Adar; Drada; Dsh; Dsrad; dsRNA adenosin
Accession No.	NCBI Gene ID103
Uniprot	P55265
GeneID	103;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

ADAR1 converts adenosine to inosine in dsRNA, which destabilizes the dsRNA helix. This activity is important for various functions like site-specific RNA editing of transcripts of the glutamate receptors and modifying viral RNA genomes (which may be responsible for hypermutation of certain negative-stranded viruses, e.g., measles virus). ADAR1 also binds to short interfering RNAs (siRNA) without editing them and suppresses siRNA-mediated RNA interference. This protein is ubiquitously expressed, with the highest levels being found in brain and lung.

Note: This product is for in vitro research use only