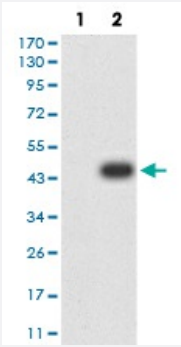
ADAR monoclonal antibody, clone 4E2E4

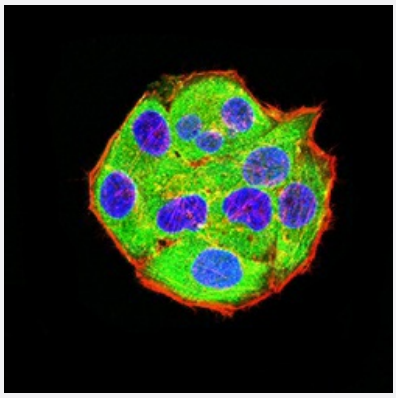
Catalog # MAB17515 Size 100 ug

Applications



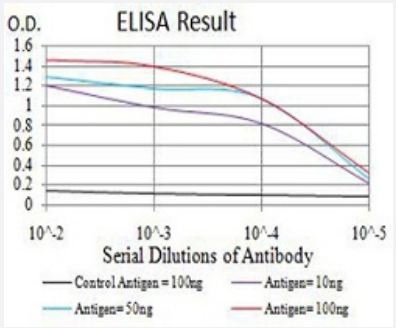
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) ADAR-hIgGFc transfected HEK293 cell lysate.



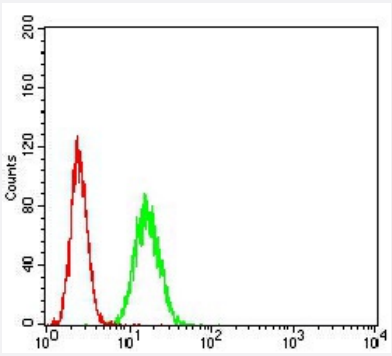
Immunocytochemistry

Immunocytochemical staining of HeLa cells with ADAR monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ADAR monoclonal antibody, clone 4E2E4.



Flow Cytometry

Flow cytometric analysis of Hela cells with ADAR monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ADAR.
Immunogen	Recombinant protein corresponding to amino acid 1085-1223 of human ADAR from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	136
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) Immunohistochemistry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of ADAR monoclonal antibody, clone 4E2E4.

- Flow Cytometry

  Flow cytometric analysis of Hela cells with ADAR monoclonal antibody (green) and negative control (red).

Gene Info — ADAR

Entrez GeneID	103
Gene Name	ADAR
Gene Alias	ADAR1, DRADA, DSH, DSRAD, G1P1, IFI-4, IFI4, K88dsRBP, p136
Gene Description	adenosine deaminase, RNA-specific
Omim ID	127400 146920
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the enzyme responsible for RNA editing by site-specific deamination of aden osines. This enzyme destabilizes double stranded RNA through conversion of adenosine to inosin e. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alte rnate transcriptional splice variants, encoding different isoforms, have been characterized. [provid ed by RefSeq
Other Designations	136 kDa double-stranded RNA binding protein|OTTHUMP00000035372|OTTHUMP0000003537 3|adenosine deaminase acting on RNA 1-A|double-stranded RNA-specific adenosine deaminas e|interferon-induced protein 4|interferon-inducible protein 4

Pathway

- Atrazine degradation

Disease

- Genetic Predisposition to Disease
- Hepatitis B
- Hepatitis C
- Liver Cirrhosis
- Multiple Sclerosis
- Tobacco Use Disorder