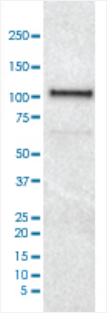
ADAR monoclonal antibody, clone CL0176

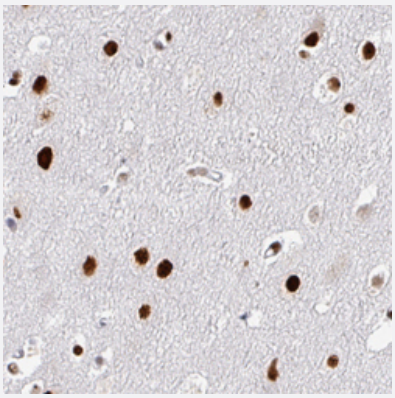
Catalog # MAB15551 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of U-251 MG cell lysate with ADAR monoclonal antibody, clone CL0176 (Cat # MAB15551).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with ADAR monoclonal antibody, clone CL0176 (Cat # MAB15551) shows nuclear positivity.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ADAR.
Immunogen	Recombinant protein corresponding to human ADAR.
Sequence	SDNQPEGMISESLDNLESMMPNKVRKIGELVRYLNTNPVGGLLEYARSHGFAAEFKLVDQSGPP HEPKFVYQAKVGGRWFPAVCAHSKKQGKQEAADAALRVLIGENEKAERMGFTEVTPVTGASLR RTMLLLSRSPEA
Host	Mouse
Reactivity	Human

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Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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

- Western Blot (Cell lysate)

  Western Blot analysis of U-251 MG cell lysate with ADAR monoclonal antibody, clone CL0176 (Cat # MAB15551).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with ADAR monoclonal antibody, clone CL0176 (Cat # MAB15551) shows nuclear positivity.

Gene Info — ADAR

Entrez GeneID	103
Protein Accession#	P55265
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

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Gene Summary	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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	136 kDa double-stranded RNA binding protein|OTTHUMP00000035372|OTTHUMP00000035373|adenosine deaminase acting on RNA 1-A|double-stranded RNA-specific adenosine deaminase|interferon-induced protein 4|interferon-inducible protein 4

Publication Reference

- Gene amplification-associated overexpression of the RNA editing enzyme ADAR1 enhances human lung tumorigenesis.

  Anadon C, Guil S, Simo-Riudalbas L, Moutinho C, Setien F, Martinez-Cardus A, Moran S, Villanueva A, Calaf M, Vidal A, Lazo PA, Zondervan I, Savola S, Kohno T, Yokota J, Ribas de Pouplana L, Esteller M.

  Oncogene 2016 Aug; 35(33):4407.

  Application: IF, IHC, WB-Ce, Human, A-549, Cal12T, H1395, H1437, H1993, HBEC3KT cells, Human lung cancer tissues

Pathway

- Atrazine degradation

Disease

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

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