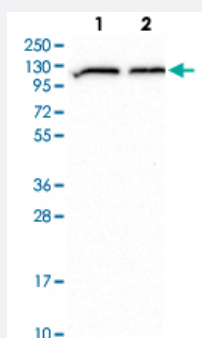


ADAR polyclonal antibody

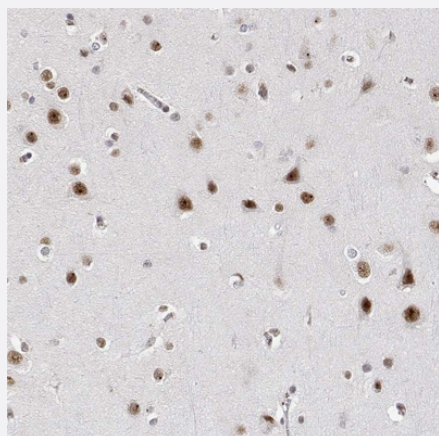
Catalog # PAB29440 Size 100 uL

Applications



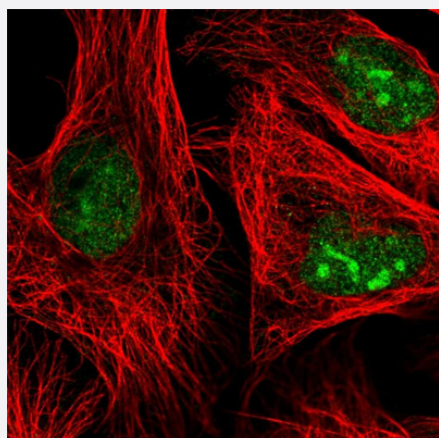
Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4 Lane 2: Human cell line U-251MG with ADAR polyclonal antibody (Cat # PAB29440) at 1:500-1:1000 dilution.



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

Immunohistochemical staining of human cerebral cortex with ADAR polyclonal antibody (Cat # PAB29440) shows strong nuclear positivity in neuronal cells at 1:1000-1:2500 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with ADAR polyclonal antibody (Cat # PAB29440) at 1-4 ug/mL concentration shows positivity in nucleoli and nucleus but excluded from the nucleoli.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human ADAR.
Immunogen	Recombinant protein corresponding to human ADAR.
Sequence	ALLTHFLQPMLKSVTLGYLFSQGHLTRACCRVTRDGSFEDGLRHPFVNHPKVGRVSIYDSKRQ SGKTKETSVNWCLADGYDLEILDGTRGTVDGPRNELSRVSKKNIFLLFKKLCSFRYRRDLLRLSYG EAKKAARDY
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:1000-1:2500) Immunofluorescence (1-4 ug/mL) 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4 Lane 2: Human cell line U-251MG with ADAR polyclonal antibody (Cat # PAB29440) at 1:500-1:1000 dilution.

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Gene Info — ADAR

Entrez GeneID [103](#)

Gene Name ADAR

Gene Alias ADAR1, DRADA, DSH, DSRAD, G1P1, IFI4, IF4, 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 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

Pathway

- [Atrazine degradation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Multiple Sclerosis](#)

- [Tobacco Use Disorder](#)