



Anti-ADAR monoclonal antibody (DCABH-10420)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide of human ADAR is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [ADAR adenosine deaminase, RNA-specific \[Homo sapiens \]](#)

Official Symbol	ADAR
Synonyms	ADAR; adenosine deaminase, RNA-specific; G1P1, IFI4, interferon induced protein 4; double-stranded RNA-specific adenosine deaminase; ADAR1; dsRNA adenosine deaminase; interferon-induced protein 4; interferon-inducible protein 4; adenosine deaminase acting on RNA 1-A; 136 kDa double-stranded RNA-binding protein; DSH; G1P1; IFI4; P136; DRADA; DSRAD; IFI-4; K88DSRBP;
Entrez Gene ID	103
Protein Refseq	NP_001020278
UniProt ID	P55265
Chromosome Location	1q21.3
Pathway	C6 deamination of adenosine, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Formation of editosomes by ADAR proteins, organism-specific biosystem; Gene Expression, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	DNA binding; double-stranded RNA adenosine deaminase activity; double-stranded RNA adenosine deaminase activity; double-stranded RNA binding; hydrolase activity; metal ion binding;