



Rabbit Anti-Human RNASEH2A Polyclonal Antibody (CABT-L2261)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Ribonuclease H2 Subunit A (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against RNASEH2A. It has been selected for its ability to recognize RNASEH2A in immunohistochemical staining and western blotting.
Target	RNASEH2A
Immunogen	Recombinant fragment corresponding to human RNASEH2A (Met1~Leu299)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The protein encoded by this gene is a component of the heterotrimeric type II ribonuclease H enzyme (RNaseH2). RNaseH2 is the major source of ribonuclease H activity in mammalian cells and endonucleolytically cleaves ribonucleotides. It is predicted to remove Okazaki fragment RNA primers during lagging strand DNA synthesis and to excise single ribonucleotides from DNA-DNA duplexes. Mutations in this gene cause Aicardi-Goutieres Syndrome (AGS), a an autosomal recessive neurological disorder characterized by progressive microcephaly and psychomotor retardation, intracranial calcifications, elevated levels of interferon-alpha and white blood cells in the cerebrospinal fluid.[provided by RefSeq, Aug 2009]
Keywords	Rnase-H2A;RNASEHI;RNHIA;RNHL;AGS4;Ribonuclease H2, Large Subunit;Aicardi-Goutieres Syndrome 4;Ribonuclease HI large subunit

GENE INFORMATION

Gene Name	RNASEH2A ribonuclease H2, subunit A [Homo sapiens (human)]
Official Symbol	RNASEH2A
Synonyms	RNASEH2A; ribonuclease H2, subunit A; AGS4; JUNB; RNHL; RNHIA; RNASEHI; ribonuclease H2 subunit A; RNase H(35); RNase H2 subunit A; RNase HI large subunit; ribonuclease HI subunit A; ribonuclease HI large subunit; ribonuclease H2, large subunit; ribonuclease HI, large subunit; aicardi-Goutieres syndrome 4 protein;
Entrez Gene ID	10535
Protein Refseq	NP_006388
UniProt ID	O75792
Chromosome Location	19p13.2
Pathway	DNA replication;
Function	RNA binding; RNA-DNA hybrid ribonuclease activity; metal ion binding; ribonuclease activity;