

## Product datasheet

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# ARG57719 anti-RNASEN / Drosha antibody

Package: 100 μl Store at: -20°C

#### **Summary**

Product Description Rabbit Polyclonal antibody recognizes RNASEN / Drosha

Tested Reactivity Hu

Tested Application FACS, ICC/IF, IHC-P, WB

Specificity This antibody detects endogenous levels of total Drosha.

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name RNASEN / Drosha

Species Human

Immunogen Synthetic peptide from Human RNASEN / Drosha.

Conjugation Un-conjugated

Alternate Names p241; RNASE3L; ETOHI2; RNase III; EC 3.1.26.3; Ribonuclease III; Protein Drosha; Ribonuclease 3;

RANSE3L; HSA242976; RN3; RNASEN

### **Application Instructions**

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

#### Bioinformation

Gene Symbol DROSHA

Gene Full Name drosha, ribonuclease type III

Background Members of the ribonuclease III superfamily of double-stranded (ds) RNA-specific endoribonucleases

participate in diverse RNA maturation and decay pathways in eukaryotic and prokaryotic cells (Fortin et al., 2002 [PubMed 12191433]). The RNase III Drosha is the core nuclease that executes the initiation step of microRNA (miRNA) processing in the nucleus (Lee et al., 2003 [PubMed 14508493]). [supplied by

OMIM, Mar 2008]

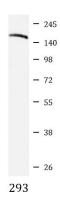
Function Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step

of microRNA (miRNA) biogenesis. Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, DROSHA cleaves the 3' and 5' strands of a stem-loop in primiRNAs (processing center 11 bp from the dsRNA-ssRNA junction) to release hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs. Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in

the formation of GW bodies. [UniProt]

Calculated Mw 159 kDa

#### **Images**



#### ARG57719 anti-RNASEN / Drosha antibody WB image

Western blot: 293 cell lysate stained with ARG57719 anti-RNASEN / Drosha antibody.