

Product name:	RNase III Drosha Rabbit Polyclonal Antibody
Cat number:	ABN17277
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human RNase III Drosha. AA range:774-823
Reactivity:	Human,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight:	160kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

drosha ribonuclease III(DROSHA) Homo sapiens This gene encodes a ribonuclease (RNase) III double-stranded RNA-specific ribonuclease and subunit of the microprocessor protein complex, which catalyzes the initial processing step of microRNA (miRNA) synthesis. The encoded protein cleaves the stem loop structure from the primary microRNA (pri-miRNA) in the nucleus, yielding the precursor miRNA (pre-miRNA), which is then exported to the cytoplasm for further processing. In a human cell line lacking a functional copy of this gene, canonical miRNA synthesis is reduced. Somatic mutations in this gene have been observed in human patients with kidney cancer. [provided by RefSeq, Sep 2016],catalytic activity:Endonucleolytic cleavage to 5'-phosphomonoester.,cofactor:Magnesium or manganese.,function:Executes the initial step of microRNA (miRNA) processing in the nucleus, that is cleavage of pri-miRNA to release pre-miRNA. Involved in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA.,online information:The dark side of RNA -Issue 87 of October 2007,similarity:Contains 1 DRBM (double-stranded RNA-binding) domain.,similarity:Contains 2 RNase III domains.,subcellular location:A fraction is translocated to the nucleolus during the S phase of the cell cycle.,subunit:Interacts with Sp1.,tissue specificity:Ubiquitous.,