

Drosha Polyclonal antibody

Catalog Number: 55001-1-AP

Featured Product

8 Publications

Basic Information

Catalog Number: 55001-1-AP	GenBank Accession Number: NM_013235	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29102	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: ribonuclease type III, nuclear	
Isotype: IgG	Calculated MW: 159 kDa	
	Observed MW: 90 kDa, 151 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, HepG2 cells
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

Background Information

DROSHA, also named as RN3, RNASE3L, P241 and RNASEN, is double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. It is a 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, RNASEN/DROSHA cleaves the 3' and 5' strands of a stem-loop in pri-miRNAs (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. RNASEN is involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. And it is involved in the formation of GW bodies. The antibody is specific to DROSHA. DROSHA/RNASEN has some transcription forms with MW 160kd, 151kd, 138kd and 90kd.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiaofang Chu	35604380	J Gen Virol	WB
Yuan Wang	28522832	Sci Rep	WB
Yu-En Gao	27133296	Acta Pharmacol Sin	

Storage

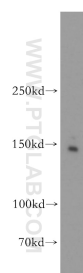
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 55001-1-AP (Drosha antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.