

For Research Use Only

DROSHA Polyclonal antibody

Catalog Number: 55001-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

55001-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NML_013235

GeneID (NCBI):

29102

UNIPROT ID:

Q9NRR4

Full Name:

ribonuclease type III, nuclear

Calculated MW:

159 kDa

Observed MW:

90 kDa, 151 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

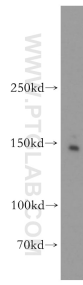
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.