

For Research Use Only

# Drosha Polyclonal antibody

Catalog Number: 55001-1-AP

Featured Product

8 Publications



## Basic Information

Catalog Number:

55001-1-AP

Size:

200 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

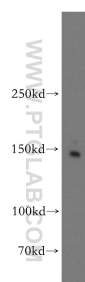
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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.