For Research Use Only

Drosha Polyclonal antibody

Catalog Number:55001-1-AP Featured Product 8 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

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:
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	

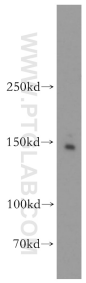
Storage

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

*** 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)
E: proteintech@ptglab.com
W: ptglab.com

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.