

RNase III Drosha Polyclonal Antibody
Catalog # AP73844**Specification**

RNase III Drosha Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9NRR4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

RNase III Drosha Polyclonal Antibody - Additional Information**Gene ID** 29102**Other Names**

DROSHA; RN3; RNASE3L; RNASEN; Ribonuclease 3; Protein Drosha; Ribonuclease III; RNase III; p241

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

RNase III Drosha Polyclonal Antibody - Protein Information**Name** DROSHA**Synonyms** RN3, RNASE3L, RNASEN**Function**

Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. 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, 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. Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies. Plays a role in growth homeostasis in response to autophagy in motor neurons (By similarity).

Cellular Location

Nucleus. Nucleus, nucleolus. Cytoplasm {ECO:0000250|UniProtKB:Q5HZJ0}. Note=A fraction is

translocated to the nucleolus during the S phase of the cell cycle. Localized in GW bodies (GWBs), also known as P-bodies.

Tissue Location

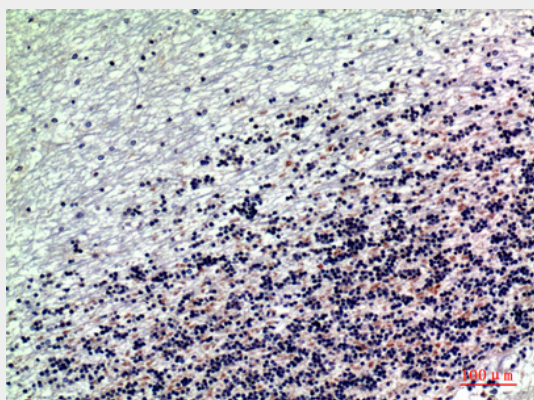
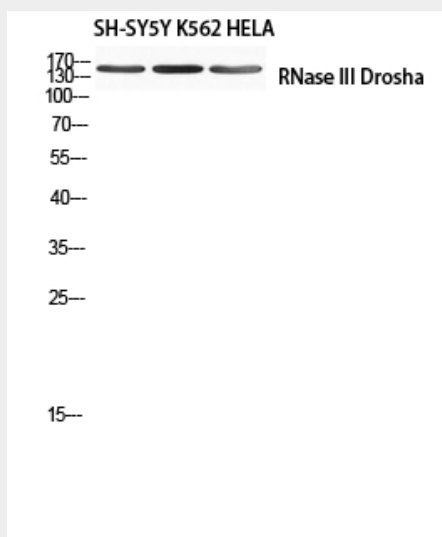
Ubiquitous..

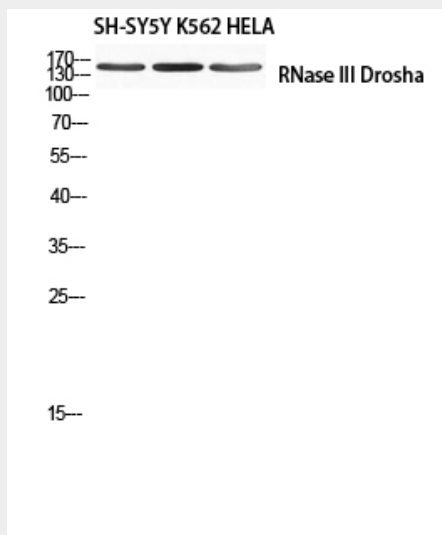
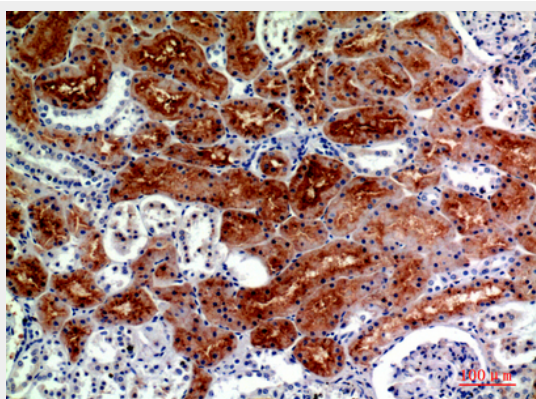
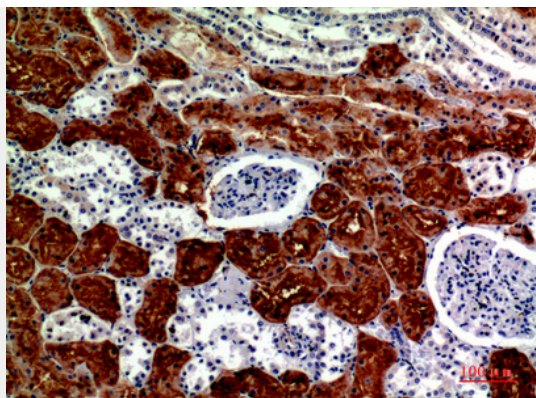
RNase III Drosha Polyclonal Antibody - Protocols

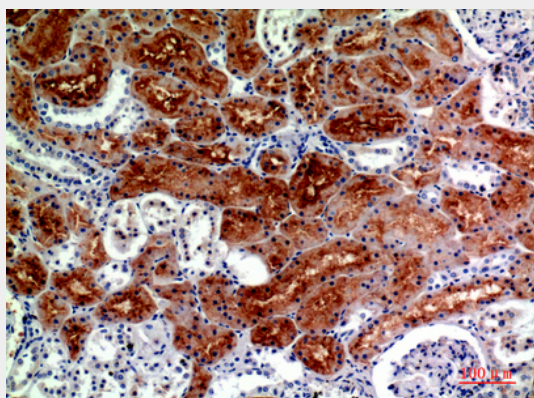
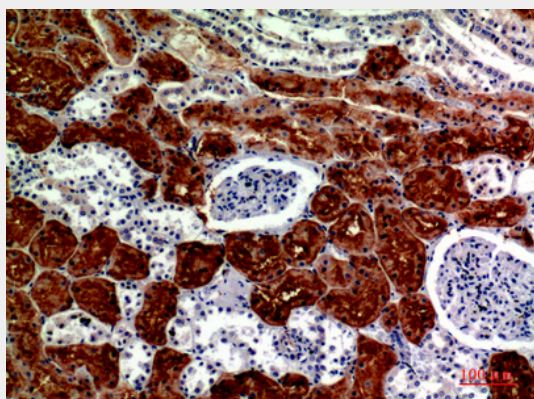
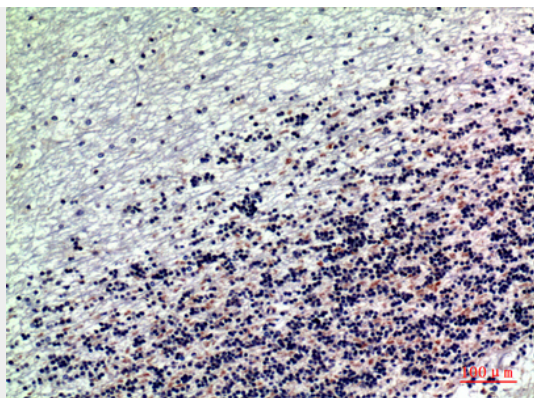
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNase III Drosha Polyclonal Antibody - Images







RNase III Drosha Polyclonal Antibody - Background

Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. 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, 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. Involved also in pre-rRNA processing. Cleaves double- strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies.