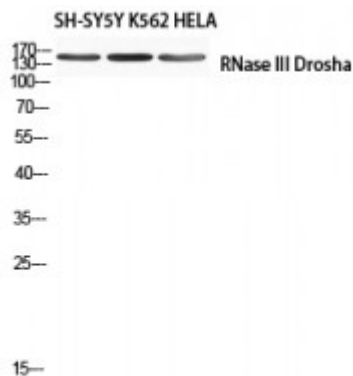


Anti-RNase III Drosha antibody



Description	Rabbit polyclonal to RNase III Drosha.
Model	STJ97614
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human RNase III Drosha.
Immunogen Region	Internal
Gene ID	29102
Gene Symbol	DROSHA
Dilution range	WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:10000
Specificity	RNase III Drosha Polyclonal Antibody detects endogenous levels of RNase III Drosha protein.
Tissue Specificity	Ubiquitous.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ribonuclease 3 Protein Drosha Ribonuclease III RNase III p241
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17904OMIM:608828
Alternative Names	Ribonuclease 3 Protein Drosha Ribonuclease III RNase III p241
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.
Sequence and Domain Family	The 2 RNase III domains form an intramolecular dimer where the domain 1 cuts the 3'strand while the domain 2 cleaves the 5'strand of pri-miRNAs, independently of each other.
Cellular Localization	Nucleus Nucleus, nucleolus. 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.