

产品名称: Drosha (18P9) Rabbit Monoclonal Antibody
产品货号: AMRe10163



产品概述 (Summary)

产品名称 (Production Name)	Drosha (18P9) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, FC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DROSHA
别名 (Alternative Names)	Ribonuclease 3 (EC:3.1.26.3); Protein Drosha; Ribonuclease III; RNase III; p241; DROSHA; RN3; RNASE3L; RNASEN;
基因 ID (Gene ID)	29102.0
蛋白 ID (SwissProt ID)	Q9NRR4.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:20-1:50, FC 1:200-1:500
蛋白分子量 (Molecular Weight)	159kDa

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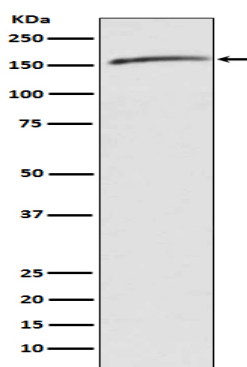


研究背景 (Background)

Drosha was identified as a nuclear RNase III that catalyzes the initial step of microRNA (miRNA) processing. This enzyme processes the long primary transcript pri-miRNAs into stem-looped pre-miRNAs. Interference of Drosha results in the increase of pri-miRNAs and the decrease of pre-miRNAs. Drosha exists in a multiprotein complex called Microprocessor along with other components such as DGCR8. Drosha, along with DGCR8, is necessary for miRNA biogenesis. 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.

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of Drosha expression in 293 cell lysate.

注意事项 (Note)

For research use only .