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Immunotag™ RNase III Drosha Polyclonal Antibody

Antibody Specification

Catalog No.	ITT5661
Product Description	Immunotag™ RNase III Drosha Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RNase III Drosha
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human RNase III Drosha. AA range:774-823
Specificity	RNase III Drosha Polyclonal Antibody detects endogenous levels of RNase III Drosha protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	DROSHA
Accession No.	Q9NRR4 Q5HZJ0
Alternate Names	DROSHA; RN3; RNASE3L; RNASEN; Ribonuclease 3; Protein Drosha; Ribonuclease III; RNase III; p241

Antibody Specification

Description	drosha ribonuclease III(DROSHA) Homo sapiens This gene encodes a ribonuclease (RNase) III double-stranded RNA-specific ribonuclease and subunit of the microprocessor protein complex, which catalyzes the initial processing step of microRNA (miRNA) synthesis. The encoded protein cleaves the stem loop structure from the primary microRNA (pri-miRNA) in the nucleus, yielding the precursor miRNA (pre-miRNA), which is then exported to the cytoplasm for further processing. In a human cell line lacking a functional copy of this gene, canonical miRNA synthesis is reduced. Somatic mutations in this gene have been observed in human patients with kidney cancer. [provided by RefSeq, Sep 2016],
Protein Expression	Aorta,Brain,Cervix,Colon,Embryo,Epithelium,Skin,
Subcellular Localization	nucleoplasm,nucleolus,microprocessor complex,
Protein Function	catalytic activity:Endonucleolytic cleavage to 5'-phosphomonoester.,cofactor:Magnesium or manganese.,function:Executes the initial step of microRNA (miRNA) processing in the nucleus, that is cleavage of pri-miRNA to release pre-miRNA. Involved in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA.,online information:The dark side of RNA -Issue 87 of October 2007,similarity:Contains 1 DRBM (double-stranded RNA-binding) domain.,similarity:Contains 2 RNase III domains.,subcellular location:A fraction is translocated to the nucleolus during the S phase of the cell cycle.,subunit:Interacts with Sp1.,tissue specificity:Ubiquitous.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.