

Datasheet for ABIN2779039

anti-DROSHA antibody (Middle Region)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DROSHA
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DROSHA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RNASEN
Sequence:	AAMDALEKYN FPQMAHQKRF IERKYRQELK EMRWEREHQE REPDETEDIK
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against RNASEN. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DROSHA
---------	--------

Target Details

Alternative Name:	RNASEN (DROSHA Products)
Background:	RNASEN is a 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, 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 also involved in pre-rRNA processing. RNASEN cleaves double-strand RNA and does not cleave single-strand RNA. RNASEN is involved in the formation of GW bodies. Members of the ribonuclease III superfamily of double-stranded (ds) RNA-specific endoribonucleases participate in diverse RNA maturation and decay pathways in eukaryotic and prokaryotic cells (Fortin et al., 2002 [PubMed 12191433]). The RNase III Drosha is the core nuclease that executes the initiation step of microRNA (miRNA) processing in the nucleus (Lee et al., 2003 [PubMed 14508493]).[supplied by OMIM]. Alias Symbols: DROSHA, ETOHI2, HSA242976, RANSE3L, RN3, RNASE3L, RNASEN Protein Interaction Partner: DDX5, HNRNPUL2, KLHL12, YLPM1, ZCCHC8, DGCR8, SKIV2L2, U2SURP, KHDRBS1, CARM1, RBM14, PDCD6, THRAP3, PPFIA1, SRPK1, PKP2, MEN1, LGALS3BP, HNRNPAB, WWOX, BMI1, SRPK2, ZNF512B, UBC, CUL3, PSMA1, BCL6, SP1, Protein Size: 1374
Molecular Weight:	159 kDa
Gene ID:	29102
NCBI Accession:	NM_013235 , NP_037367
UniProt:	Q9NRR4
Pathways:	Regulatory RNA Pathways

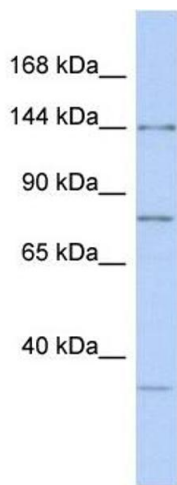
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1374 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RNASEN Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Spleen