Datasheet for ABIN7599763

anti-DROSHA antibody (AA 1142-1374)

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Overview

Quantity:	100 µg
Target:	DROSHA
Binding Specificity:	AA 1142-1374
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DROSHA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-DROSHA Antibody Picoband®
Immunogen:	E.coli-derived human DROSHA recombinant protein (Position: H1142-K1374).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-DROSHA Antibody Picoband® (ABIN7599763). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	DROSHA
Alternative Name:	DROSHA (DROSHA Products)
Background:	Synonyms: Transcription factor Sp1, SP1, TSFP1 Tissue Specificity: Up-regulated in adenocarcinomas of the stomach (at protein level). Isoform 3 is ubiquitously expressed at low levels. Background: Drosha is a Class 2 ribonuclease III enzyme that in humans is encoded by the DROSHA (formerly RNASEN) gene. 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.
Molecular Weight:	159 kDa
Gene ID:	29102
Pathways:	Regulatory RNA Pathways

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Cheloufi, S., Dos Santos, C. O., Chong, M. M. W., Hannon, G. J. A Dicer-independent miRNA biogenesis pathway that requires Ago catalysis. Nature 465: 584-589, 2010. 2. Davis, B. N., Hilyard, A. C., Lagna, G., Hata, A. SMAD proteins control DROSHA-mediated microRNA maturation. Nature 454: 56-61, 2008. 3. Filippov, V., Solovyev, V., Filippova, M., Gill, S. S. A novel type of RNase III family proteins in eukaryotes. Gene 245: 213-221, 2000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.