Datasheet for ABIN7266845

anti-DROSHA antibody

2 Images

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Overview

Quantity:	100 µL
Target:	DROSHA
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This DROSHA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	DROSHA Rabbit mAb
Immunogen:	A synthesized peptide derived from human DROSHA.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	DROSHA
Alternative Name:	DROSHA (DROSHA Products)
Background:	This gene encodes a ribonuclease (RNase) III double-stranded RNA-specific ribonuclease and

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Target Details

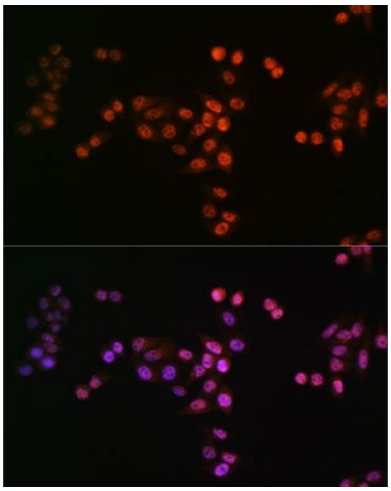
	subunit of the microprocessor protein complex, which catalyzes the initial processing step of microRNA (miRNA) synthesis. The encoded protein cleaves the stem loop structure from the primary microRNA (pri-miRNA) in the nucleus, yielding the precursor miRNA (pre-miRNA), which is then exported to the cytoplasm 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],DROSHA,ETOHI2,HSA242976,RANSE3L,RN3,RNASE3L,RNASEN,Epigenetics & Nuclear Signaling,Nuclear Receptor Signaling,RNA Binding,DROSHA
Molecular Weight:	159kDa
Gene ID:	29102
UniProt:	Q9NRR4
Pathways:	Regulatory RNA Pathways

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

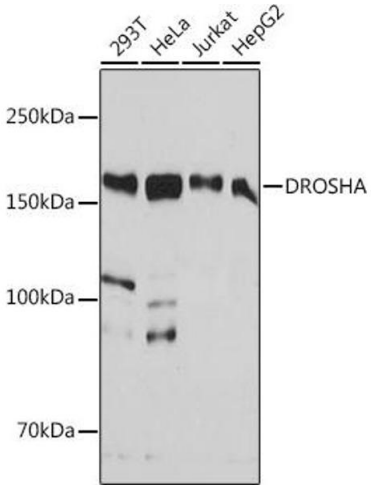
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using DROSHA antibody (ABIN7266845). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using DROSHA antibody (ABIN7266845) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

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