

Drosha Rabbit mAb

Catalog No: #59448

Package Size: #59448-1 50ul #59448-2 100ul

Description

Product Name	Drosha Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human
Specificity	Drosha Antibody detects endogenous levels of total Drosha
Immunogen Description	A synthesized peptide derived from human Drosha
Other Names	Ribonuclease 3 (EC:3.1.26.3); Protein Drosha; Ribonuclease III; RNase III; p241; DROSHA; RN3; RNASE3L; RNASEN;
Accession No.	Uniprot:Q9NRR4
Calculated MW	Predicted band size: 159 kDa
SDS-PAGE MW	Observed band size: 159 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

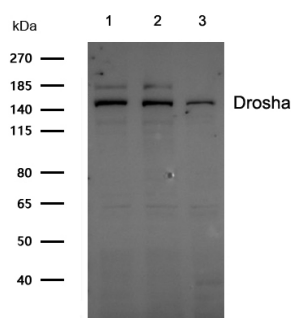
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: Drosha Rabbit mAb at 1/1k dilution

Lane 1 : 293 whole cell lysates Lane 2 : JK whole cell lysates

Lane 3 : MCF-7 whole cell lysates

Lysates/proteins at 20 µg per lane.

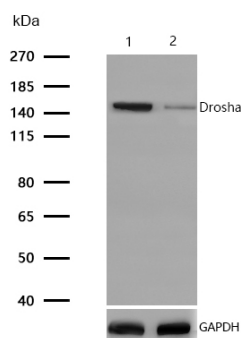
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 159 kDa

Observed band size: 159 kDa

Exposure time: 11 seconds

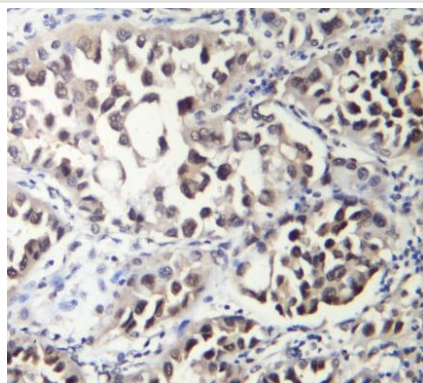


All lanes: Drosha Rabbit mAb at 1/1k dilution

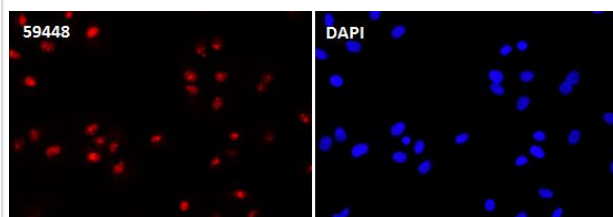
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : Drosha Rabbit mAb knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human lung cancer tissue stained for Drosha using 59448 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Drosha antibody (59448) ICC/IF staining of Drosha in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59448 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.