Product Datasheet

Drosha Rabbit mAb

Catalog No: #49720

Package Size: #49720-1 50ul #49720-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

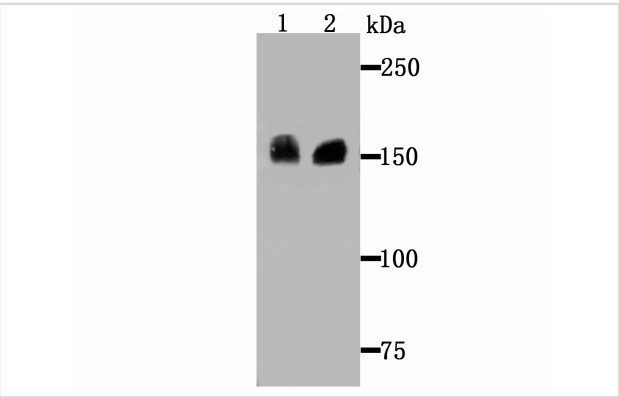
Description

Product Name	Drosha Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU33-01
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	DROSHA antibody Drosha double stranded RNA specific endoribonuclease antibody Drosha ribonuclease type III antibody Etohi2 antibody HSA242976 antibody Nuclear RNase III Drosha antibody p241 antibody Protein Drosha antibody Putative protein p241 which interacts with transcription factor Sp1 antibody Putative ribonuclease III antibody RANSE3L antibody Ribonuclease 3 antibody Ribonuclease III antibody Ribonuclease III nuclear antibody Ribonuclease type III nuclear antibody RibonucleaseIII antibody RN 3 antibody RN3 antibody RNase 3 antibody RNase III antibody RNase3 antibody RNASE3L antibody RNaseIII antibody RNASEN antibody RNC_HUMAN antibody
Accession No.	Swiss-Prot#:Q9NRR4
Uniprot	Q9NRR4
GeneID	29102;
Calculated MW	159 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

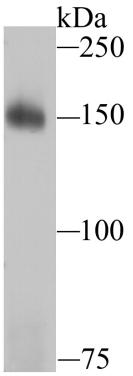
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

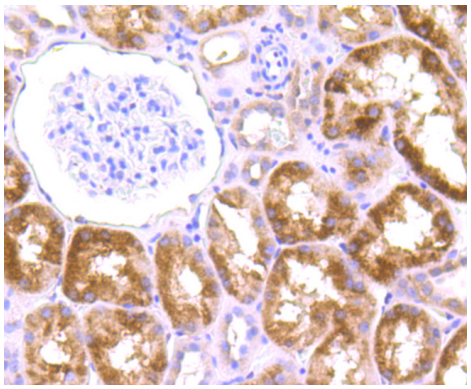
Images



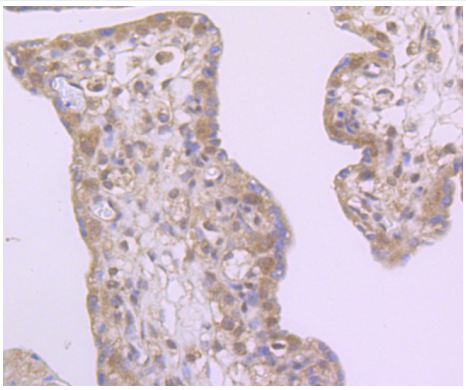
Western blot analysis of Drosha on Hela cell and SiHa cell lysates using anti-Drosha antibody at 1/500 dilution.



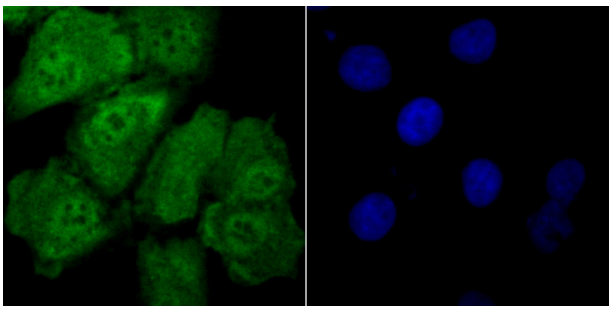
Western blot analysis of Drosha on K562 cell lysates using anti-Drosha antibody at 1/1,000 dilution.



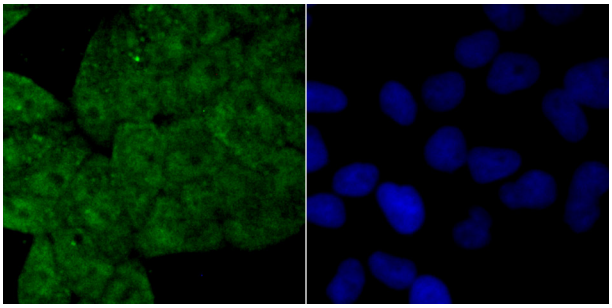
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Drosha antibody. Counter stained with hematoxylin.



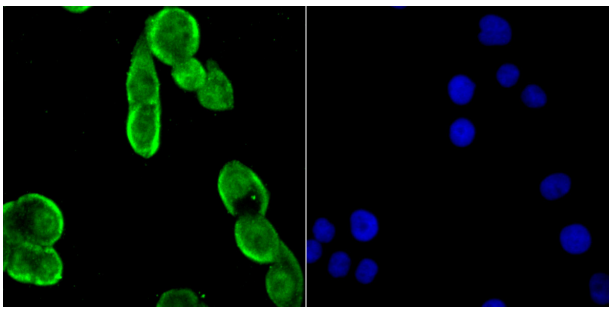
Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-Drosha antibody. Counter stained with hematoxylin.



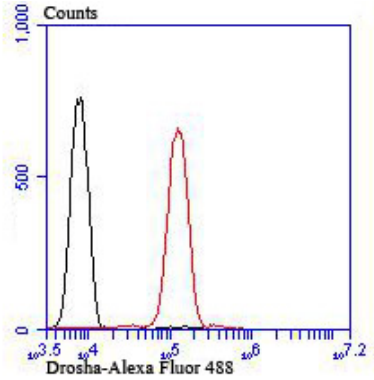
ICC staining Drosha in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Drosha in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Drosha in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with Drosha antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

The ribonuclease III superfamily represents a structurally distinct group of double-strand-specific endonucleases with essential roles in RNA maturation, RNA decay, and gene silencing. Initial cleavage of microRNAs is catalysed by Drosha, a nuclease of the RNase III family, which acts on primary miRNA transcripts (pri-miRNAs) in the nucleus. Human Drosha is a component of two multi-protein complexes. The larger complex contains multiple classes of RNA-associated proteins including RNA helicases, proteins that bind double-stranded RNA, novel heterogeneous nuclear ribonucleoproteins and the Ewing's sarcoma family of proteins. The smaller complex is composed of Drosha and the double-stranded-RNA-binding protein, DGCR8.

References

Note: This product is for in vitro research use only