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Drosha Rabbit mAb

Catalog No.: A30151

Recombinant

Basic Information

Observed MW
160 kDa

Calculated MW
159 kDa/151 kDa/138 kDa/155 kDa

Category
Monoclonal Antibodies

Applications
WB, ChIP, ELISA

Cross Reactivity
Human

Clone No.
ARC4088

Background

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.

Recommended Dilutions

WB 1:20000 - 1:60000

ChIP
4 µg antibody for 10 µg - 20 µg of Chromatin

ELISA
Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
29102

Swiss-Prot
Q9NRR4

Immunogen
This information is considered to be commercially sensitive.

Synonyms
RN3; ETOHI2; RNASEN; RANSE3L; RNASE3L; HSA242976

Contact

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Product Information

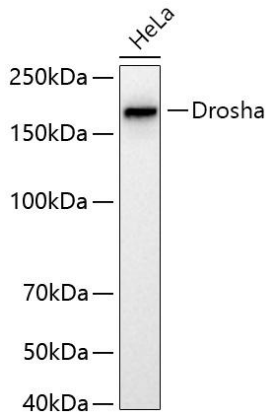
Source
Rabbit

Isotype
IgG

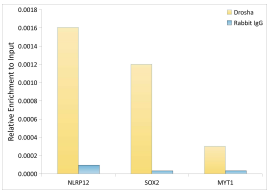
Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH 7.3.

Validation Data



Western blot analysis of lysates from HeLa cells using Drosha Rabbit mAb (A30151) at 1:60000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) 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: 10 s.



Chromatin immunoprecipitation was performed with 20 µg of cross-linked chromatin from HeLa cells, using 4 µg of Drosha Rabbit mAb (A30151) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.

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