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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Dicer Antibody [S167-7]

Mouse Anti-Mouse Dicer Monoclonal IgG1
Catalog No. SMC-416



Discovery through partnership | Excellence through quality

Overview

Product Name

Dicer Antibody

Description

Mouse Anti-Mouse Dicer Monoclonal IgG1

Species Reactivity

Human, Mouse, Rat

Applications

WB, ICC/IF

Antibody Dilution

WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Mouse

Immunogen

Fusion protein amino acids 1638-1899 of mouse Endoribonuclease Dicer

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S167-7

Isotype

IgG1

Specificity

Detects ~215kDa.

Cite This Product

Mouse Anti-Mouse Dicer Monoclonal, Clone S167-7 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-416)

Certificate Of Analysis

1 µg/ml of SMC-416 was sufficient for detection of Dicer in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Dicer1 Antibody, DCR Antibody, DCR1 Antibody, DCR-1 Antibody, Double-strand-specific ribonuclease Antibody, Helicase with RNase motif Antibody, HERNA Antibody, Helicase MOI Antibody, KIAA0928 Antibody, Endoribonuclease Dicer Antibody

Research Areas

Cell Signaling, Epigenetics

Cellular Localization

Cytoplasm

Accession Number

NP_683750.2

Gene ID

192119

Swiss Prot

Q8R418

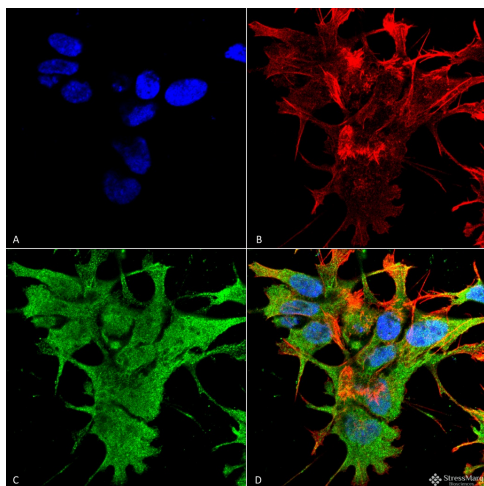
Scientific Background

Dicer is a member of the RNase III family that specifically cleaves double-stranded RNAs to generate microRNAs (miRNAs) (1). After long primary transcript pri-miRNAs are processed to stem-looped pre-miRNAs by Drosha (2), pre-miRNAs are transported to the cytoplasm and further processed by Dicer to produce 22-nucleotide mature miRNAs (3). The mature miRNA then becomes a part of the RNA-Induced Silencing Complex (RISC) and can bind to the 3' UTR of the target mRNA (3)

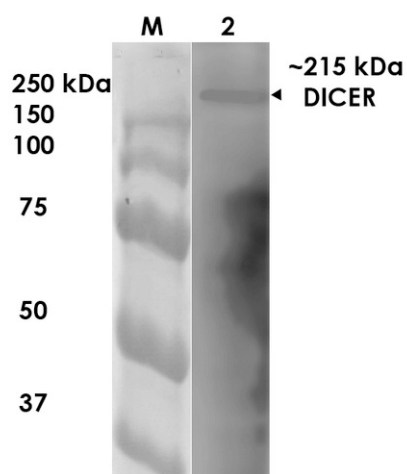
References

1. Hutvagner G. and Zamore P.D. (2002) Science 297: 2056-60.
 2. Lee Y., et al. (2003) Nature 425: 415-9.
 3. Diederichs S. and Haber, D.A. (2007) Cell 131: 1097-108.
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Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Dicer Monoclonal Antibody, Clone S167-7 (SMC-416). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Dicer Monoclonal Antibody (SMC-416) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Cytoplasm. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Dicer Antibody (D) Composite.



Western Blot analysis of Rat Brain Membrane showing detection of ~215 kDa Dicer protein using Mouse Anti-Dicer Monoclonal Antibody, Clone S167-7 (SMC-416). Lane 1: MW Ladder. Lane 2: Rat Brain Membrane (10 μ g). Load: 10 μ g. Block: 5% milk. Primary Antibody: Mouse Anti-Dicer Monoclonal Antibody (SMC-416) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: TMB solution for 10 min at RT. Predicted/Observed Size: ~215 kDa.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.