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[Primary Antibody]

Mouse Anti-Dicer antibody

Catalog Number: SLM-60317M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Clone No.:	E11C10
Target:	Dicer
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 ICC/IF=1:50-250 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Subcellular Location:	The cell membrane
Background:	Double-stranded RNA (dsRNA) endoribonuclease plays a central role in short dsRNA-mediated post-transcriptional gene silencing. It cleaves naturally occurring long dsRNAs and short hairpin pre-microRNAs (miRNAs) into fragments of 21 to 23 nucleotides with 2-nucleotide 3' overhangs, generating short interfering RNAs (siRNAs) and mature microRNAs, respectively. SiRNAs and miRNAs can act as guide RNAs to direct the RNA-induced silencing complex (RISC) to complementary RNAs, either degrading them or inhibiting their translation. SiRNA-mediated gene silencing, also known as RNA interference, controls the elimination of transcripts from mobile and repetitive DNA elements in the genome, as well as the degradation of exogenous RNAs of viral origin. On the other hand, the miRNA pathway is a means of specifically regulating the expression of target genes.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.