

Anti-DICER antibody



Description	Unconjugated Rabbit polyclonal to DICER
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Model	STJ193053
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	23405
Gene Symbol	DICER1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	DICER Polyclonal Antibody detects endogenous levels of protein.
Purification	DICER antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Endoribonuclease Dicer Helicase with RNase motif Helicase MOI
Molecular Weight	211 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml

Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17098 OMIM:138800
Alternative Names	Endoribonuclease Dicer Helicase with RNase motif Helicase MOI
Function	Double-stranded RNA (dsRNA) endoribonuclease playing a central role in short dsRNA-mediated post-transcriptional gene silencing. Cleaves naturally occurring long dsRNAs and short hairpin pre-microRNAs (miRNA) into fragments of twenty-one to twenty-three nucleotides with 3' overhang of two nucleotides, producing respectively short interfering RNAs (siRNA) and mature microRNAs. SiRNAs and miRNAs serve as guide to direct the RNA-induced silencing complex (RISC) to complementary RNAs to degrade them or prevent their translation. Gene silencing mediated by siRNAs, also called RNA interference, controls the elimination of transcripts from mobile and repetitive DNA elements of the genome but also the degradation of exogenous RNA of viral origin for instance. The miRNA pathway on the other side is a mean to specifically regulate the expression of target genes.
Cellular Localization	Cytoplasm

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