

Dicer Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10530**Specification**

Dicer Antibody - Product Information

Application	WB
Primary Accession	Q9UPY3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	218682

Dicer Antibody - Additional Information**Gene ID** 23405**Application & Usage****Western blotting (0.5-4 µg/ml). The optimal concentrations should be determined individually.****Other Names**

DCR1 , Dicer , HERNA , KIAA0928

Target/Specificity

Dicer

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Dicer Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Dicer Antibody - Protein Information

Name DICER1

Synonyms DICER, HERNA, KIAA0928

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 Location

Cytoplasm. Cytoplasm, perinuclear region

Dicer Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Dicer Antibody - Images

Dicer Antibody - Background

Dicer is an RNaseIII-like enzyme which cleaves double-stranded RNA into 21-23 nucleotide (nt) RNAs. These RNAs are referred to as siRNA (short interfering RNA). It is believed to be essential in siRNA-mediated gene suppression.