

## Dicer Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 12532 (clone S167-7)  
**Size:** 100ug in PBS (1mg/ml), pH 7.4,  
50% glycerol, 0.09% sodium azide.  
Purified by Protein G affinity  
chromatography.

### BACKGROUND

Dicer is a member of the RNase III family that specifically cleaves double-stranded RNAs to generate microRNAs (miRNAs). After long primary transcript pri-miRNAs are processed to stem-looped pre-miRNAs by Drosha, pre-miRNAs are transported to the cytoplasm and further processed by Dicer to produce 22-nucleotide mature miRNAs. 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.

### SPECIFICATION SUMMARY

**Antigen:** Fusion protein corresponding to aa 1638-1899 of mouse Endoribonuclease Dicer (accession no.Q8R418).

**Host Species:** Mouse

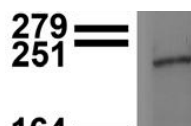
**Antibody Class:** IgG1

### SPECIFICITY

This antibody recognizes human, mouse and rat Dicer.

### APPLICATIONS

*Immunoblotting:* use at 1ug/ml. Predicted molecular weight is ~215kDa.



#12532 on rat brain lysate.

*Positive Control:* rat brain lysate.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freeze-thaw cycles.

*For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.*