

**Dicer1 Antibody (Ascites)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM1970a**

**Specification**

**Dicer1 Antibody (Ascites) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9UPY3</a>
Other Accession	<a href="#">Q8R418</a> , <a href="#">Q6TV19</a> , <a href="#">Q6TUI4</a> , <a href="#">NP_803187.1</a> , <a href="#">NP_085124.2</a>
Reactivity Predicted	Human Bovine, Zebrafish, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	218682
Antigen Region	879-908

**Dicer1 Antibody (Ascites) - Additional Information**

**Gene ID** 23405

**Other Names**

Endoribonuclease Dicer, Helicase with RNase motif, Helicase MOI, DICER1, DICER, HERNA, KIAA0928

**Target/Specificity**

This Dicer1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 879-908 amino acids from human Dicer1.

**Dilution**

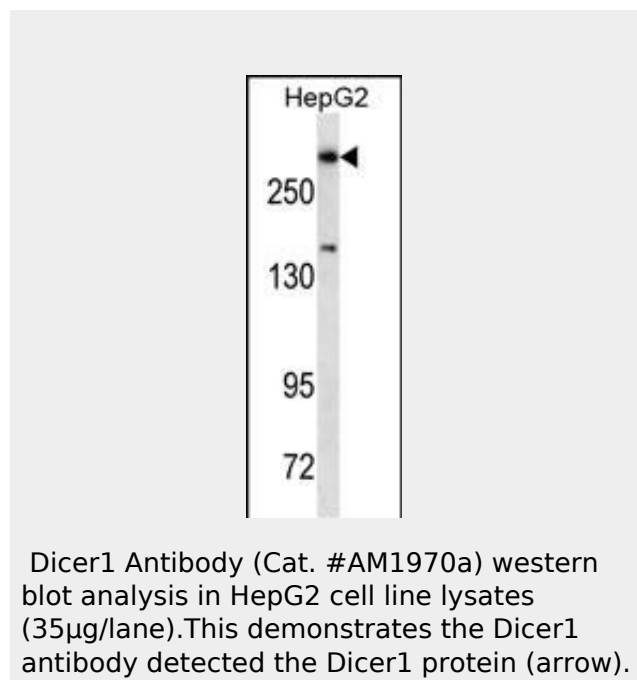
WB~~1:500~2000

**Format**

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



**Dicer1 Antibody (Ascites) - Background**

This gene encodes a protein possessing an RNA helicase motif containing a DEXH box in its amino terminus and an RNA motif in the carboxy terminus. The encoded protein functions as a ribonuclease and is required by the RNA interference and small temporal RNA (stRNA) pathways to produce the active small RNA component that represses gene expression. Alternative splicing results in multiple transcript variants.

**Dicer1 Antibody (Ascites) - References**

- Abe, M., et al. FEBS Lett. 584(20):4313-4318(2010)
- Lin, R.J., et al. Cancer Res. 70(20):7841-7850(2010)
- Kim, J.S., et al. Mol. Carcinog. 49(10):913-921(2010)
- Potenza, N., et al. FEBS Lett. 584(15):3452-3457(2010)

**Precautions**

Dicer1 Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

Sinkkonen, L., et al. PLoS ONE 5 (8), E12175 (2010) :

**Dicer1 Antibody (Ascites) - 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

**Dicer1 Antibody (Ascites) - 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](#)