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Dicer1 Antibody (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM1970a

Specification

Dicer1 Antibody (Ascites) - Product Information

Application	**WB,E**
Primary Accession	Q9UPY3
Other Accession	Q8R418, Q6TV19, Q6TUI4, NP_803187.1, NP_085124.2
Reactivity	**Human**
Predicted	**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
E~~Use at an assay dependent concentration.

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.

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

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.

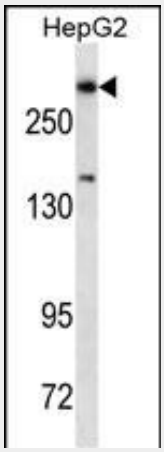
Cellular Location
Cytoplasm. Cytoplasm, perinuclear region

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 Cytomety
- Cell Culture

Dicer1 Antibody (Ascites) - Images



Dicer1 Antibody (Cat. #AM1970a) western blot analysis in HepG2 cell line lysates (35µg/lane).This demonstrates the Dicer1 antibody detected the Dicer1 protein (arrow).

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