



DICER Polyclonal Antibody

Catalog No	YP-Ab-07794
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	DICER1 DICER HERNA KIAA0928
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	DICER Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DCR1;DICER;EC:3.1.26.3;Endoribonuclease Dicer;Helicase MOI;DICER1 DICER HERNA KIAA0928;Endoribonuclease Dicer (EC 3.1.26.-) (Helicase with RNase motif) (Helicase MOI)
Observed Band	211kD
Calculated Molecular Weight	211kD
Cell Pathway	Cytoplasm . Cytoplasm, perinuclear region .
Tissue Specificity	Brain,Lung,Testis,
Function	cofactor:Binds 2 magnesium or manganese ions per subunit.,function:Required for formation of the RNA induced silencing complex (RISC). Component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, EIF2C2/AGO2 and TARBP2. Within the RLC/miRLC, DICER1 and TARBP2 are required to process precursor miRNAs (pre-miRNAs) to mature miRNAs and then load them onto EIF2C2/AGO2. EIF2C2/AGO2 bound to the mature miRNA constitutes the minimal RISC and may subsequently dissociate from DICER1 and TARBP2. Also cleaves double-stranded RNA to produce short interfering RNAs (siRNAs) which target the selective destruction of complementary RNAs.,online information:The dark side of RNA -Issue 87 of October 2007,similarity:Belongs to the helicase family.



Dicer subfamily.,similarity:Contains 1 Dicer dsRNA-binding fold domain.,
similarity:Conta

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. [provided by RefSeq, Sep 2010],

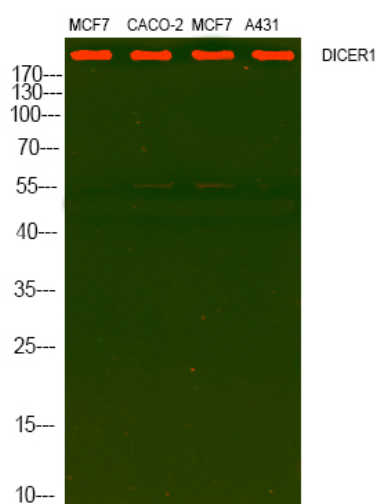
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cell lysis. Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS23920) was diluted at 1:10000