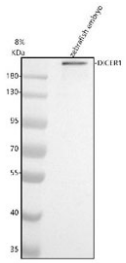
Zebrafish Dicer Antibody / Dicer1 (RZ1088)

Catalog No.	Formulation	Size
RZ1088	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6TV19
Applications	Western Blot : 0.5-1 ug/ml
Limitations	This Zebrafish Dicer antibody is available for research use only.



Western blot analysis of Dicer protein using Zebrafish Dicer antibody and zebrafish embryo tissue lysate. The predicted molecular weight of Dicer is ~219 kDa.

Description

Dicer (DICER1), also known as endoribonuclease Dicer or helicase with RNase motif, is an enzyme that in humans is encoded by the DICER1 gene. It is mapped to 14q32.13. The DICER1 gene, a member of the ribonuclease III (RNaseIII) family, is involved in the generation of microRNAs (miRNAs), which modulate gene expression at the posttranscriptional level. DICER1 possesses an RNA helicase motif containing a DEXH box in its amino terminus and an RNA motif in the carboxy terminus DICER, also known as helicase-MOI, is required by the RNA interference and small temporal RNA (stRNA) pathways to produce the active small RNA component that represses gene expression. In addition, DICER1 is required for formation of the RNA induced silencing complex (RISC). It also cleaves double-stranded RNA to produce short interfering RNAs (siRNAs) which target the selective destruction of complementary RNAs.

Application Notes

Optimal dilution of the Zebrafish Dicer antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish Dicer1 recombinant protein (amino acids Y1522-N1865) was used as the immunogen for the Zebrafish Dicer antibody.

Storage

After reconstitution, the Zebrafish Dicer antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.