

For Research Use Only

CoraLite® Plus 488-conjugated DICER1 Polyclonal antibody



Catalog Number: CL488-20567

Featured Product

Basic Information

Catalog Number: CL488-20567	GenBank Accession Number: NM_030621	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23405	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: dicer 1, ribonuclease type III	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 219 kDa	
	Observed MW: 220-250 kDa, 90 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human	

Background Information

DICER1, also named as DICER, HERNA and KIAA0928, belongs to the helicase family and Dicer subfamily. It is required for formation of the RNA induced silencing complex (RISC). DICER1 is a 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. DICER1 cleaves double-stranded RNA to produce short interfering RNAs (siRNAs) which target the selective destruction of complementary RNAs. The antibody is specific to DICER1. The calculated molecular weight of DICER1 is 219 kDa, but modified DICER1 is about 220-250 kDa. DICER1 exists some isoforms with molecular weight 219 kDa and 93 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

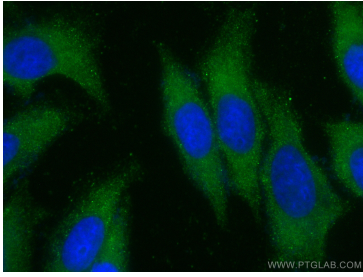
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 DICER1 antibody (CL488-20567) at dilution of 1:200.