

For Research Use Only

CoraLite® Plus 488-conjugated DICER1 Polyclonal antibody



Catalog Number: CL488-20567

Featured Product

Basic Information

Catalog Number:

CL488-20567

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_030621

GeneID (NCBI):

23405

UNIPROT ID:

Q9UPY3

Full Name:

dicer 1, ribonuclease type III

Calculated MW:

219 kDa

Observed MW:

220-250 kDa, 90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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

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

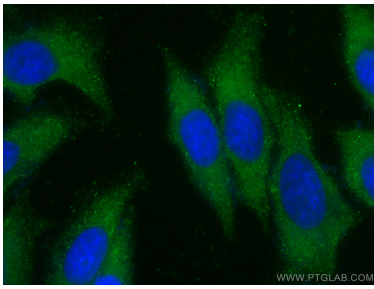
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.