

For Research Use Only

DICER1 Monoclonal antibody, PBS Only



Catalog Number: 68375-1-PBS

Basic Information

Catalog Number: 68375-1-PBS	GenBank Accession Number: NML_030621	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 23405	CloneNo.: 1C8E2
Source: Mouse	UNIPROT ID: Q9UPY3	
Isotype: IgG1	Full Name: dicer 1, ribonuclease type III	
Immunogen Catalog Number: AG30368	Calculated MW: 219 kDa	
	Observed MW: 240-250 kDa	

Applications

Tested Applications:
WB,IP,IF,Indirect ELISA

Species Specificity:
Human, mouse

Background Information

DICER1 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. DICER1 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, and 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.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

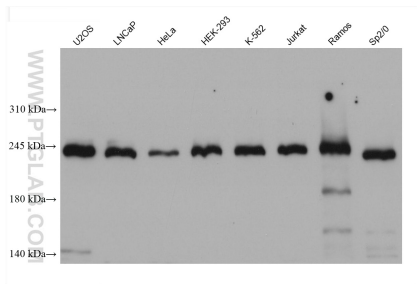
T: 4006900926

E: Proteintech-CN@ptglab.com

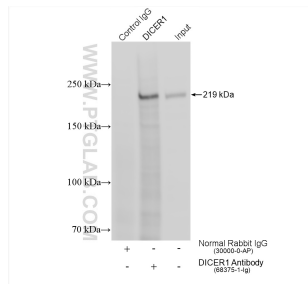
W: ptgcn.com

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

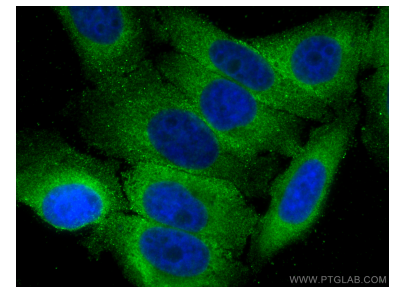
Selected Validation Data



U2OS cells were subjected to SDS PAGE followed by western blot with 68375-1-Ig (DICER1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68375-1-PBS in a different storage buffer formulation.



IP result of anti-DICER1 (IP:68375-1-Ig, 4ug; Detection:68375-1-Ig 1:500) with Jurkat cells lysate 1560 ug. This data was developed using the same antibody clone with 68375-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DICER1 antibody (68375-1-Ig, Clone: 1C8E2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68375-1-PBS in a different storage buffer formulation.