

For Research Use Only

DICER1 Monoclonal antibody

Catalog Number: 68375-1-Ig



Basic Information

Catalog Number: 68375-1-Ig	GenBank Accession Number: NM_030621	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23405	CloneNo.: 1C8E2
Source: Mouse	UNIPROT ID: Q9UPY3	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:400-1:1600
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, ELISA	Positive Controls:
Species Specificity: Human, mouse	WB : U2OS cells, LNCaP cells, HeLa cells, HEK-293 cells, K-562 cells, Jurkat cells, Ramos cells, Sp2/O cells
	IP : Jurkat cells,
	IF : HepG2 cells,

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

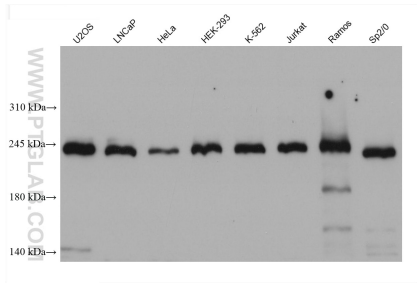
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

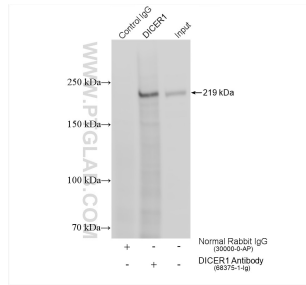
E: proteintech@ptglab.com
W: ptglab.com

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

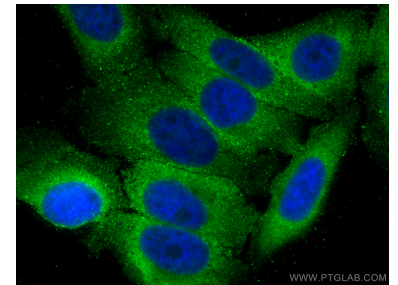
Selected Validation Data



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.



IP result of anti-DICER1 (IP:68375-1-Ig, 4ug; Detection:68375-1-Ig 1:500) with Jurkat cells lysate 1560 ug.



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).