

For Research Use Only

DICER1 Monoclonal antibody, PBS Only



Catalog Number: 68375-1-PBS

Basic Information

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|---|---|---|
| Catalog Number: 68375-1-PBS | GenBank Accession Number: NM_030621 | Purification Method: Protein G purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | 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

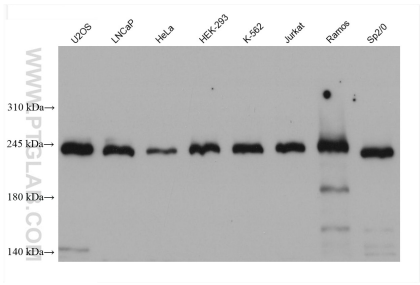
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

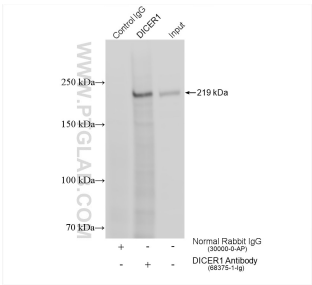
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

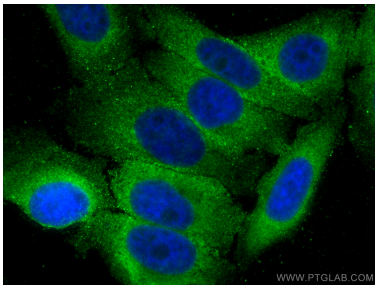
Selected Validation Data



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. 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.