

For Research Use Only

# DICER1 Polyclonal antibody

Catalog Number: 29984-1-AP



## Basic Information

<b>Catalog Number:</b> 29984-1-AP	<b>GenBank Accession Number:</b> NM_030621	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23405	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>Full Name:</b> dicer 1, ribonuclease type III	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 219 kDa	
<b>Immunogen Catalog Number:</b> AG30368	<b>Observed MW:</b> 90 kDa, 220-250 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, K-562 cells
<b>Species Specificity:</b> Human	

## 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

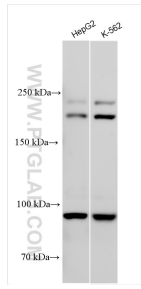
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29984-1-AP (DICER1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.