

For Research Use Only

# DGCR8 Monoclonal antibody

Catalog Number: 60084-1-Ig

Featured Product

11 Publications



## Basic Information

### Catalog Number:

60084-1-Ig

### GenBank Accession Number:

BC009323

### Purification Method:

Protein A purification

### Size:

150ul, Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

### GeneID (NCBI):

54487

### CloneNo.:

4D11A3

### Source:

Mouse

### UNIPROT ID:

Q8WYQ5

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

### Isotype:

IgG2a

### Full Name:

DiGeorge syndrome critical region gene 8

### Calculated MW:

773 aa, 86 kDa

### Observed MW:

120 kDa

### Immunogen Catalog Number:

AG4871

## Applications

### Tested Applications:

WB, IP, ELISA

### Positive Controls:

WB: HEK-293 cells, HepG2 cells, BxPC-3 cells, RAW 264.7 cells, A431 cells, Jurkat cells, K-562 cells, ROS1728 cells

### Cited Applications:

WB, IP, RIP

IP: K-562 cells,

### Species Specificity:

human, mouse, rat, pig

### Cited Species:

human, mouse, rat

## Background Information

DGCR8 is a RNA-binding protein that assists the Rnase III enzyme Drosha in the processing of microRNAs (miRNAs), which regulate the expression of a large number of protein-coding genes[PMID: 22580560]. DGCR8, which contains two double-stranded RNA (dsRNA)-binding domains, may be an essential component of the primary miRNAs processing complex, along with Drosha, promoting the processing of primary microRNA to precursor microRNA. It is ubiquitous expressed in human and mouse tissues, and is deleted in DiGeorge syndrome[22323604]. The calculated molecular weight of DGCR8 is 82-86 kDa, but the post-modified DGCR8 is about 120 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Haidong Xu	34528746	Aging Cell	WB
Hailong Zhang	34518544	Nat Commun	WB
Fangfang Zhang	31813799	Mol Ther	WB,RIP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

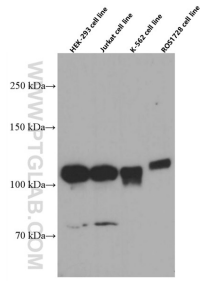
For technical support and original validation data for this product please contact:

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

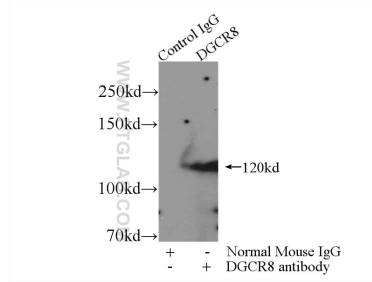
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60084-1-Ig (DGCR8 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-DGCR8 (IP:60084-1-Ig, 5ug; Detection:60084-1-Ig 1:500) with K-562 cells lysate 3440ug.