For Research Use Only

# DGCR8 Monoclonal antibody, PBS Only

Catalog Number:60084-1-PBS Featured Product

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## Basic Information

Catalog Number:
60084-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG4871

GenBank Accession Number:
BC009323

GeneID (NCBI):
54487

UNIPROT ID:
Q8WYQ5

Full Name:
DiGeorge syndrome critical region gene 8

Calculated MW:
773 aa, 86 kDa

Observed MW:
120 kDa

Purification Method:
Protein A purification

CloneNo.:
4D11A3

## Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

## Background Information

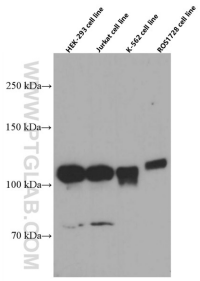
DGCR8 is a RNA-binding protein that assists the Rnase III enzyme Drosha in the processing of microRNAs (miRNAs), which regulate the expression of a large number of protein-coding genes[PMID: 22580560]. DGCR8, which contains two double-stranded RNA (dsRNA)-binding domains, may be an essential component 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.

## Storage

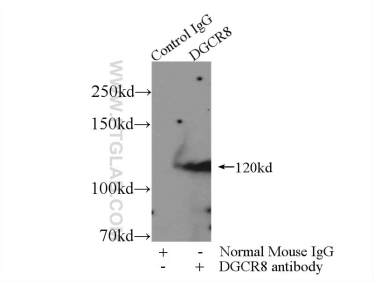
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

## 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. This data was developed using the same antibody clone with 60084-1-PBS in a different storage buffer formulation.




IP result of anti-DGCR8 (IP:60084-1-Ig, 5ug; Detection:60084-1-Ig 1:500) with K-562 cells lysate 3440ug. This data was developed using the same antibody clone with 60084-1-PBS in a different storage buffer formulation.