

For Research Use Only

# DGCR8 N-terminal Polyclonal ANTIBODY



Catalog Number: 25835-1-AP **Featured Product**

## Basic Information

**Catalog Number:**

25835-1-AP

**Size:**

150UL, Concentration: 340 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG22988

**GenBank Accession Number:**

BC078147

**GeneID (NCBI):**

54487

**Full Name:**

DiGeorge syndrome critical region gene 8

**Calculated MW:**

773 aa, 86 kDa

**Observed MW:**

88-100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IF 1:20-1:200

## Applications

**Tested Applications:**

IF, IP, WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB: HeLa cells, A431 cells

IP: A431 cells,

IF: HeLa cells,

## 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 miRNA 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

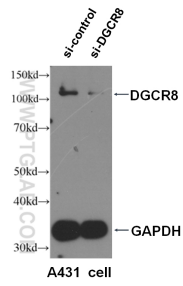
For technical support and original validation data for this product please contact:

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

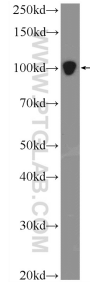
E: proteintech@ptglab.com  
W: ptglab.com

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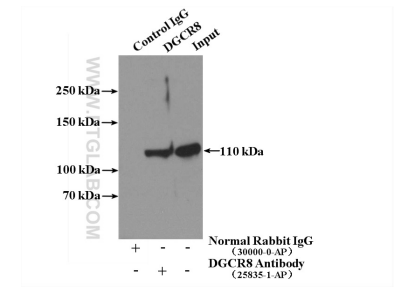
## Selected Validation Data



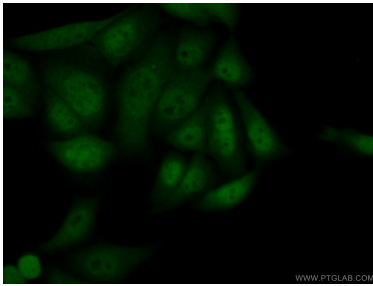
WB result of DGCR8 antibody (25835-1-AP, 1:2000) with si-control and si-DGCR8 transfected A431 cells.



HeLa cells were subjected to SDS PAGE followed by western blot with 25835-1-AP (DGCR8 N-terminal antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-DGCR8 N-terminal (IP:25835-1-AP, 4ug; Detection:25835-1-AP 1:600) with A431 cells lysate 2800ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 25835-1-AP (DGCR8 N-terminal antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).