

For Research Use Only

# POLR3G Polyclonal antibody

Catalog Number: 24701-1-AP

1 Publications



## Basic Information

### Catalog Number:

24701-1-AP

### Size:

150ul, Concentration: 1200 ug/ml by Nanodrop and 627 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19872

### GenBank Accession Number:

BC141649

### GeneID (NCBI):

10622

### UNIPROT ID:

O15318

### Full Name:

polymerase (RNA) III (DNA directed)  
polypeptide G (32kD)

### Calculated MW:

223 aa, 26 kDa

### Observed MW:

26-30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB : HeLa cells, K-562 cells

IP : HeLa cells,

## Background Information

POLR3G also named as RNA polymerase III subunit C7 is a 223 amino acid protein, which belongs to eukaryotic RPC7 RNA polymerase subunit family. The molecular weight of POLR3G is 26 kDa. POLR3G localizes in the nucleus and is a component of the RNA polymerase III complex, which may be involved either in the recruitment and stabilization of the subcomplex within RNA polymerase III, or in stimulating catalytic functions of other subunits during initiation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Aiko Iwata-Otsubo	38520561	Hum Genet	WB

## 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

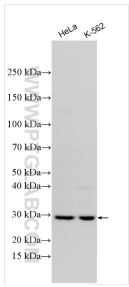
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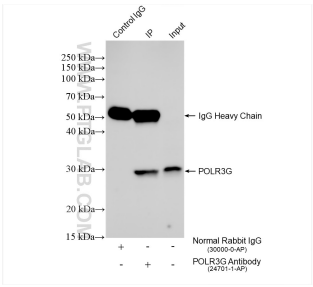
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24701-1-AP (POLR3G antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-POLR3G (IP:24701-1-AP, 4ug; Detection:24701-1-AP 1:3000) with HeLa cells lysate 1600 ug.