

For Research Use Only

# POLR2D Polyclonal antibody

Catalog Number: 16093-1-AP

3 Publications



## Basic Information

### Catalog Number:

16093-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8701

### GenBank Accession Number:

BC017205

### GeneID (NCBI):

5433

### UNIPROT ID:

O15514

### Full Name:

polymerase (RNA) II (DNA directed)  
polypeptide D

### Calculated MW:

142 aa, 16 kDa

### Observed MW:

16-20 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

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: HeLa cells, rat liver tissue, rat skeletal muscle tissue, HepG2 cells, MCF-7 cells

IP: mouse heart tissue,

IHC: mouse testis tissue,

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuanjun Li	36113479	Mol Cell	WB
Jiale Du	35451368	Elife	WB
Yuanjun Li	36924766	Mol Cell	WB

## 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

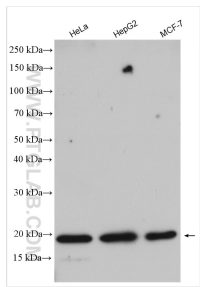
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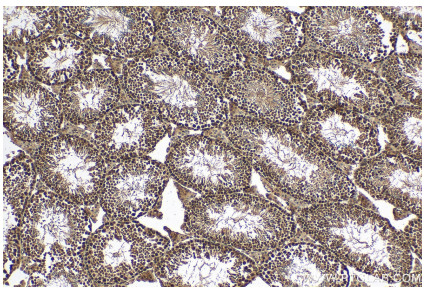
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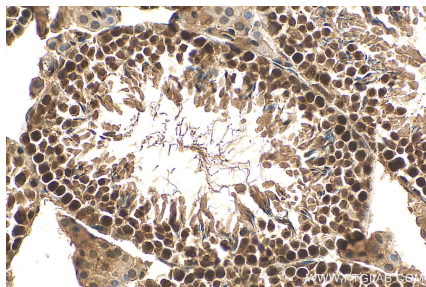
Selected Validation Data



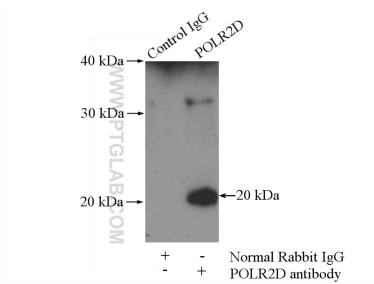
Various lysates were subjected to SDS PAGE followed by western blot with 16093-1-AP (POLR2D antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 16093-1-AP (POLR2D antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 16093-1-AP (POLR2D antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-POLR2D (IP:16093-1-AP, 4ug; Detection:16093-1-AP 1:800) with mouse heart tissue lysate 4000ug.