

For Research Use Only

# POLR3D Monoclonal antibody

Catalog Number: 68263-1-Ig **Featured Product**



## Basic Information

**Catalog Number:**

68263-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7646

**GenBank Accession Number:**

BC004484

**GeneID (NCBI):**

661

**UNIPROT ID:**

P05423

**Full Name:**

polymerase (RNA) III (DNA directed)

polypeptide D, 44kDa

**Calculated MW:**

44 kDa

**Observed MW:**

44 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2F5G4

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, Rabbit

**Positive Controls:**

WB : LNCaP cells, rabbit brain tissue, K-562 cells, HEK-293 cells, HeLa cells, Jurkat cells

## Background Information

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Polymerase (RNA) III (DNA directed) polypeptide D (POLR3D) plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses and acts as nuclear and cytosolic DNA sensor involved in innate immune response. POLR3D can sense non-self dsDNA that serves as template for transcription into dsRNA.

## 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

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

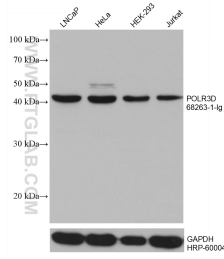
T: 4006900926

E: Proteintech-CN@ptglab.com

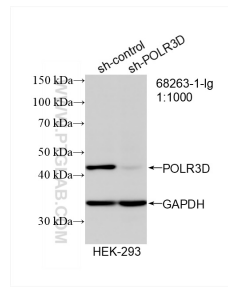
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68263-1-Ig (POLR3D antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



WB result of POLR3D antibody (68263-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-POLR3D transfected HEK-293 cells.