

For Research Use Only

# POLR3D Monoclonal antibody

Catalog Number: 68263-1-Ig



## Basic Information

<b>Catalog Number:</b> 68263-1-Ig	<b>GenBank Accession Number:</b> BC004484	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 661	<b>CloneNo.:</b> 2F5G4
<b>Source:</b> Mouse	<b>Full Name:</b> polymerase (RNA) III (DNA directed) polypeptide D, 44kDa	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 44 kDa	
<b>Immunogen Catalog Number:</b> AG7646	<b>Observed MW:</b> 44 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, Rabbit

### Positive Controls:

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

\*\*\* 20ul sizes contain 0.1% BSA

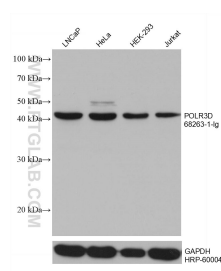
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68263-1-1g (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.