

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, FC (Intra), 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:

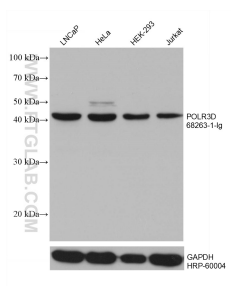
T: 4006900926

E: Proteintech-CN@ptglab.com

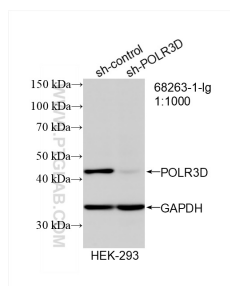
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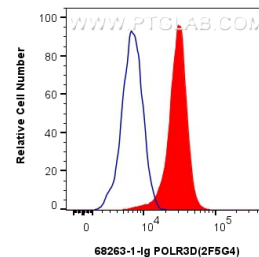
Selected Validation Data



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.



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug POLR3D Monoclonal antibody (68263-1-Ig, Clone:2F5G4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).