

[Go to Product page](#)

## Datasheet for ABIN7117683 **anti-POLR3G antibody**

### Overview

Quantity:	100 µg
Target:	POLR3G
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLR3G antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

### Product Details

Immunogen:	polymerase(RNA) III(DNA directed) polypeptide G(32kD)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	POLR3G
Alternative Name:	POLR3G ( <a href="#">POLR3G Products</a> )
Background:	Synonyms: Background:DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs.  May direct with other members of the RPC3/POLR3C-RPC6/POLR3F-RPC7/POLR3G

## Target Details

subcomplex RNA Pol III binding to the TFIIIB-DNA complex via the interactions between TFIIIB and POLR3F. 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. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs(EBERs) induce type I interferon and NF-Kappa-B through the RIG-I pathway.

Molecular Weight: 26-30 kDa

Gene ID: 10622

UniProt: [O15318](#)

## Application Details

Application Notes: WB: 1:500-1:2000, IP: 1:200-1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months