

anti- POLR3G antibody

Product Information

Catalog No.:	FNab06633
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 subcomplex RNA Pol III binding to the TFIIB-DNA complex via the interactions between TFIIB 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.

Immunogen information

Immunogen:	polymerase(RNA) III(DNA directed) polypeptide G(32kD)
Synonyms:	None
Observed MW:	26-30 kDa
UniprotID :	O15318

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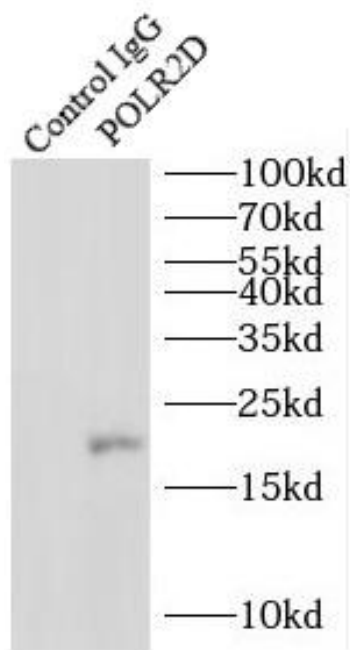
Application

Reactivity: Human

Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:2000

Image:



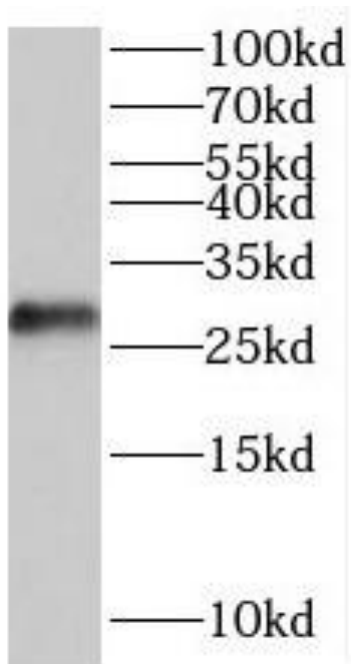
IP Result of anti-POLR3G (IP:FNab06633, 3ug;
Detection:FNab06633 1:500) with HeLa cells
lysate 2800ug.

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HeLa cells were subjected to SDS PAGE followed by western blot with FNab06633(POLR3G Antibody) at dilution of 1:1000