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POLR3C Rabbit pAb

Catalog # AP96479

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q53F76
Other Accession	Q53F76
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human POLR3C
Epitope Specificity	21-120/534
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the eukaryotic RPC3/POLR3C RNA polymerase subunit family.
SUBUNIT	Component of the RNA polymerase III (Pol III) complex consisting of 17 subunits. RPC3/POLR3C, RPC6/POLR3F and RPC7/POLR3G form a Pol III subcomplex. Interacts with GTF3C4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	10623
Other Names	C82; RPC3; RPC62; Q53F76_HUMAN; RNA polymerase III subunit C3; Q9BT08_HUMAN; POLR3C; RPC3_HUMAN; DNA-directed RNA polymerase III subunit C; RNA polymerase III 62 kDa subunit (RPC62); RNA polymerase III subunit C; polymerase (RNA) III (DNA directed) polypeptide C (62kD)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	POLR3C Rabbit pAb
Function	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific core component of RNA polymerase III which synthesizes small RNAs, such as 5S

rRNA and tRNAs. May direct with other members of the 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.