

## Rabbit anti-Human, mouse RPC8 Polyclonal Antibody | anti-POLR3H antibody

RPC8 Antibody (N-term)

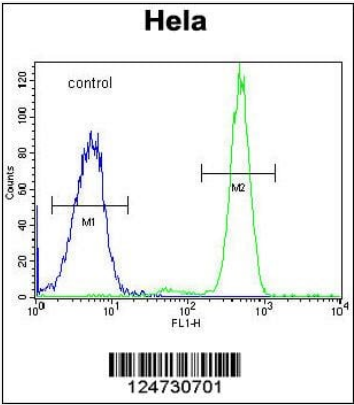
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                          |
|-----------|--------|--------------|-------------------------------------------------------|
| AAA286008 | Rabbit | Human, mouse | Flow Cytometry, Functional Assay, ELISA, Western Blot |

### PRODUCT SYNONYMS

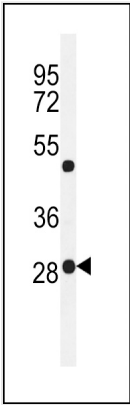
RPC8; Polyclonal Antibody; RPC8 Antibody (N-term); DNA-directed RNA polymerase III subunit RPC8; RNA polymerase III subunit C8; DNA-directed RNA polymerase III subunit H; RNA polymerase III subunit 229 kDa subunit; RPC229; POLR3H; KIAA1665; anti-POLR3H antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                       |
| Reactivity                                       | Human, mouse                                                                                                                                                                 |
| Clonality                                        | Polyclonal                                                                                                                                                                   |
| Isotype                                          | Rabbit Ig                                                                                                                                                                    |
| Specificity                                      | This RPC8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 5-33 amino acids from the N-terminal region of human RPC8.            |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                    | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                               | 5-33                                                                                                                                                                         |
| Sequence Length                                  | 204                                                                                                                                                                          |
| Applicable Applications for anti-POLR3H antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                          |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                   | HUMAN                                                                                                                                                                        |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**FCM/FACS (Flow Cytometry)**  
RPC8 Antibody (N-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
Western blot analysis of RPC8 Antibody (N-term) in mouse testis tissue lysates (35ug/lane). RPC8 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-POLR3H antibody | RPC8 is 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. It is plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. It is acting as nuclear and cytosolic DNA sensor involved in innate immune response. It 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. |
| References                                           | Greco-Stewart, V.S., et al. Virology 386(1):12-15(2009)<br>Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004)<br>Hu, P., et al. Mol. Cell. Biol. 22(22):8044-8055(2002)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 65301161                                                   |
| NCBI GeneID                      | 171568                                                     |
| NCBI Accession #                 | NP_001018060.1; NP_001018062.1; NP_612211.1                |
| NCBI GenBank Nucleotide #        | NM_001018050.3                                             |
| UniProt Accession #              | Q9Y535; Q5M7Y8; Q96AE3; Q9BY95; B0QYH9                     |
| Molecular Weight                 | 22918                                                      |
| NCBI Official Full Name          | DNA-directed RNA polymerase III subunit RPC8 isoform a     |
| NCBI Official Synonym Full Names | polymerase (RNA) III (DNA directed) polypeptide H (22.9kD) |
| NCBI Official Symbol             | POLR3H                                                     |
| NCBI Official Synonym Symbols    | RPC8; RPC22.9                                              |
| NCBI Protein Information         | DNA-directed RNA polymerase III subunit RPC8               |
| UniProt Protein Name             | DNA-directed RNA polymerase III subunit RPC8               |
| UniProt Gene Name                | POLR3H                                                     |
| UniProt Synonym Gene Names       | KIAA1665; RPC8; RNA polymerase III subunit C8; RPC22.9     |
| UniProt Entry Name               | RPC8_HUMAN                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rpc8-antibody-flow-cytometry-western-blot-elisa/286008>