

Rabbit POLR1B Polyclonal Antibody | anti-POLR1B antibody

POLR1B Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283618	Rabbit	Human (Predicted Reactivity: Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

POLR1B; Polyclonal Antibody; POLR1B Antibody (N-term); DNA-directed RNA polymerase I subunit RPA2; RNA polymerase I subunit 2; DNA-directed RNA polymerase I 135 kDa polypeptide; RPA135; anti-POLR1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This POLR1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-117 amino acids from the N-terminal region of human POLR1B.
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	89-117
Sequence Length	1079
Applicable Applications for anti-POLR1B antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), 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.

IMAGES



FCM/FACS (Flow Cytometry)

POLR1B 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.



IHC (Immunohistochemistry)

POLR1B Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of POLR1B Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

POLR1B Antibody (N-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the POLR1B antibody detected the POLR1B protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-POLR1B antibody	Eukaryotic RNA polymerase I (pol I) is responsible for the transcription of ribosomal RNA (rRNA) genes and production of rRNA, the primary component of ribosomes. Pol I is a multisubunit enzyme composed of 6 to 14 polypeptides, depending on the species. Most of the mass of the pol I complex derives from the 2 largest subunits, Rpa1 and Rpa2 in yeast. POLR1B is homologous to Rpa2 (Seither and Grummt, 1996 [PubMed 8921381]).
References	Wen, L., et al. Biochem. Biophys. Res. Commun. 367(4):846-851(2008) Wu, C., et al. Proteomics 7(11):1775-1785(2007) Johnson, S.S., et al. Mol. Cell 26(3):367-379(2007) Panova, T.B., et al. Mol. Cell. Biol. 26(16):5957-5968(2006) Percipalle, P., et al. EMBO Rep. 7(5):525-530(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	212286172
NCBI GeneID	84172
NCBI Accession #	NP_001131076.1; NP_061887.2
NCBI GenBank Nucleotide #	NM_001137604.2
UniProt Accession #	Q9H9Y6; Q2TAM4; Q585T5; Q6ZRR2; Q9H9D3; B7Z6Y7; B7Z823; F5GZX4; F8W898
Molecular Weight	128229
NCBI Official Full Name	DNA-directed RNA polymerase I subunit RPA2 isoform 2
NCBI Official Synonym Full Names	polymerase (RNA) I polypeptide B, 128kDa
NCBI Official Symbol	POLR1B
NCBI Official Synonym Symbols	RPA2; RPA135; Rpo1-2
NCBI Protein Information	DNA-directed RNA polymerase I subunit RPA2
UniProt Protein Name	DNA-directed RNA polymerase I subunit RPA2
UniProt Gene Name	POLR1B
UniProt Synonym Gene Names	RNA polymerase I subunit 2; RPA135
UniProt Entry Name	RPA2_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.