

# POLR1B rabbit monoclonal antibody

Catalog # H00084172-K      Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human POLR1B peptide using ARM Technology.
Immunogen	A synthetic peptide of human POLR1B is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human POLR1B peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — POLR1B

Entrez GeneID	<a href="#">84172</a>
GeneBank Accession#	<a href="#">POLR1B</a>
Gene Name	POLR1B
Gene Alias	FLJ10816, FLJ21921, MGC131780, RPA135, RPA2, Rpo1-2
Gene Description	polymerase (RNA) I polypeptide B, 128kDa
Omim ID	<a href="#">602000</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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 Rpa 2 (Seither and Grummt, 1996 [PubMed 8921381]).[supplied by OMIM]
Other Designations	DNA-directed RNA polymerase I 135kDa polypeptide RNA polymerase I polypeptide B RNA polymerase I subunit 2

## Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)
- [RNA polymerase](#)