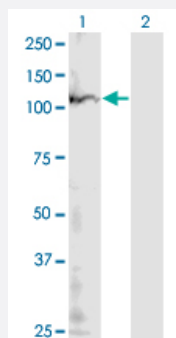


POLR1B monoclonal antibody (M10), clone 4H6

Catalog # H00084172-M10

Size 100 ug

Applications

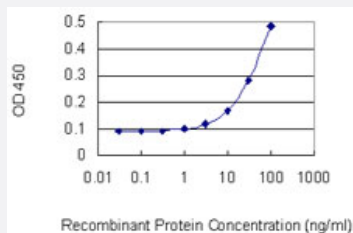


Western Blot (Transfected lysate)

Western Blot analysis of POLR1B expression in transfected 293T cell line by POLR1B monoclonal antibody (M10), clone 4H6.

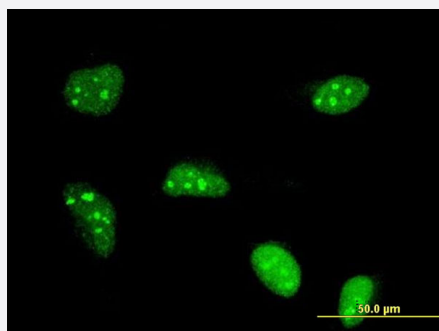
Lane 1: POLR1B transfected lysate (Predicted MW: 128.2 KDa).

Lane 2: Non-transfected lysate.



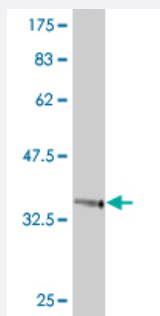
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged POLR1B is 3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to POLR1B on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant POLR1B.
Immunogen	POLR1B (NP_061887, 963 a.a. ~ 1072 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GEMLKAAGYNFYGTERLYSGISGLELEADIFIGVVYYQRLRHMVSDKFQVRTTGARDRVTNQPIGG RNVQGGIRFGEMERDALLAHGTSFLLHDRLFNCSDRSVAHVCVK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (87)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Transfected lysate)

Western Blot analysis of POLR1B expression in transfected 293T cell line by POLR1B monoclonal antibody (M10), clone 4H6.

Lane 1: POLR1B transfected lysate (Predicted MW: 128.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged POLR1B is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to POLR1B on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — POLR1B

Entrez GeneID [84172](#)

GeneBank Accession# [NM_019014](#)

Protein Accession# [NP_061887](#)

Gene Name POLR1B

Gene Alias FLJ10816, FLJ21921, MGC131780, RPA135, RPA2, Rpo1-2

Gene Description polymerase (RNA) I polypeptide B, 128kDa

Omim ID [602000](#)

Gene Ontology [Hyperlink](#)

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](#)