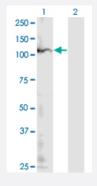


POLR1B monoclonal antibody (M10), clone 4H6

Catalog # H00084172-M10 Size 100 ug

Applications

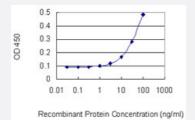


Western Blot (Transfected lysate)

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

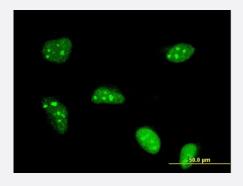
Lane 1: POLR1B transfected lysate (Predicted MW: 128.2 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

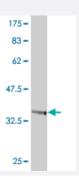
Detection limit for recombinant GST tagged POLR1B is 3 ng/ml as a capture antibody.



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	lgG2a 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 GenelD	<u>84172</u>
GeneBank Accession#	<u>NM_019014</u>
Protein Accession#	<u>NP_061887</u>
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	<u>Hyperlink</u>
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 enzym e composed of 6 to 14 polypeptides, depending on the species. Most of the mass of the pol I com plex 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