RPA135 Monoclonal Antibody

Catalog No	YP-mAb-01991
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	POLR1B
Protein Name	DNA-directed RNA polymerase I subunit RPA2
Immunogen	Synthesized peptide derived from the Internal region of human RPA135.
Specificity	RPA135 Monoclonal Antibody detects endogenous levels of RPA135 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	POLR1B; DNA-directed RNA polymerase I subunit RPA2; RNA polymerase I subunit 2; DNA-directed RNA polymerase I 135 kDa polypeptide; RPA135
Observed Band	125kD
Cell Pathway	Nucleus, nucleolus . Chromosome .
Tissue Specificity	Eye,Pancreas,Skin,Testis,
Function	catalytic activity:Nucleoside triphosphate + RNA(n) = diphosphate + RNA(n+1).,function:DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Second largest core component of RNA polymerase I which synthesizes ribosomal RNA precursors. Proposed to contribute to the polymerase catalytic activity and forms the polymerase active center together with the largest subunit. Pol I is composed of mobile elements and RPA2 is part of the core element with the central large cleft and probably a clamp element that moves to open and close the cleft.,similarity:Belongs to the RNA polymerase beta chain family.,subunit:Component of the RNA polymerase I (Pol I) complex consisting of at least 13 subunits.,
Background	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]).[supplied by OMIM, Mar 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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