



Anti-POLR1B (aa 963-1072) polyclonal antibody (DPAB-DC3470)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Immunogen	POLR1B (NP_061887, 963 a.a. ~ 1072 a.a) partial recombinant protein with GST tag. The sequence is GEMLKAAGYNFYGTERLYSGISGLELEADIFIGVVYYQRLRHMVSDKFQVRTTGARDRVT NQPIGGRNVQGGIRFGEMERDALLAHGTSFLLHDRLFNCSDRSVAHVCVK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	POLR1B polymerase (RNA) I polypeptide B, 128kDa [Homo sapiens (human)]
Official Symbol	POLR1B
Synonyms	POLR1B; polymerase (RNA) I polypeptide B, 128kDa; RPA2; RPA135; Rpo1-2; DNA-directed RNA polymerase I subunit RPA2; RNA polymerase I subunit 2; DNA-directed RNA polymerase I 135kDa polypeptide; DNA-directed RNA polymerase I 135 kDa polypeptide;
Entrez Gene ID	84172
Protein Refseq	NP_001131076
UniProt ID	Q9H9Y6
Chromosome Location	2q13
Pathway	Epigenetic regulation of gene expression; Gene Expression; NoRC negatively regulates rRNA expression; Pyrimidine metabolism.
Function	DNA binding; contributes_to RNA polymerase I activity; metal ion binding; protein binding