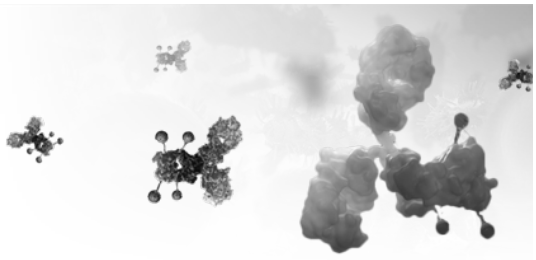

Anti-POLR2A (aa 1-110) polyclonal antibody (DPAB-DC2315)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes the largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and threonine residues that are phosphorylated in actively transcribing RNA polymerase. In addition, this subunit, in combination with several other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA.
Immunogen	POLR2A (NP_000928, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MHGGGPPSGDSACPLRTIKRVQFGVLSPDELKRMSVTEGGIKYPETTEGGRPKLGGLMDP RQGVIERTGRCQTCAGNMTECPGHFGHIELAKPVFHVGFLVKTMKVLRCV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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

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Gene Name	POLR2A polymerase (RNA) II (DNA directed) polypeptide A, 220kDa [Homo sapiens (human)]
Official Symbol	POLR2A
Synonyms	POLR2A; polymerase (RNA) II (DNA directed) polypeptide A, 220kDa; RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; RpIILS; hsRPB1; hRPB220; DNA-directed RNA polymerase II subunit RPB1; RNA polymerase II subunit B1; DNA-directed RNA polymerase II subunit A; RNA-directed RNA polymerase II subunit RPB1; DNA-directed RNA polymerase III largest subunit; DNA-directed RNA polymerase II largest subunit, RNA polymerase II 220 kd subunit;
Entrez Gene ID	5430
Protein Refseq	NP_000928
UniProt ID	P24928
Chromosome Location	17p13.1
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat; Disease; Epstein-Barr virus infection; Eukaryotic Transcription Initiation
Function	DNA binding; DNA-directed RNA polymerase activity; contributes_to RNA polymerase II activity; RNA-directed RNA polymerase activity

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