



# Anti-POLR2I (aa 26-125) polyclonal antibody (DPAB-DC2320)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit, in combination with two other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA. The product of this gene has two zinc finger motifs with conserved cysteines and the subunit does possess zinc binding activity.
<b>Immunogen</b>	POLR2I (AAH17112, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag. The sequence is  PKEDKENRILLYACRNCDYQQEADNSCIYVNKITHEVDELTQIADVSQDPLPRTEDHP CQKCGHKEAVFFQSHSARAEDAMRLYYVCTAPHCGHRWTE
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

---

<b>Gene Name</b>	<a href="#">POLR2I polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	POLR2I
<b>Synonyms</b>	POLR2I; polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa; RPB9; hRPB14.5; DNA-directed RNA polymerase II subunit RPB9; RPB14.5; RNA polymerase II subunit B9; RNA polymerase II 14.5 kDa subunit; DNA-directed RNA polymerase II subunit I; DNA-directed RNA polymerase II 14.5 kDa polypeptide;
<b>Entrez Gene ID</b>	<a href="#">5438</a>
<b>Protein Refseq</b>	<a href="#">NP_006224</a>
<b>UniProt ID</b>	<a href="#">P36954</a>
<b>Chromosome Location</b>	19q12
<b>Pathway</b>	Abortive elongation of HIV-1 transcript in the absence of Tat; Disease; Epstein-Barr virus infection; Eukaryotic Transcription Initiation.
<b>Function</b>	DNA binding; contributes_to DNA-directed RNA polymerase activity; zinc ion binding;

---