



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

Antigen Description	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.
Immunogen	POLR2I (AAH17112, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag. The sequence is PKEDKENRILLYACRNCDYQQEADNSCIYVNKITHEVDELQIIADVSDPTLPRTEDHP CQKCGHKEAVFFQSHSARAEDAMRLYYVCTAPHCGHRWTE
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	POLR2I polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa [Homo sapiens (human)]
Official Symbol	POLR2I
Synonyms	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;
Entrez Gene ID	5438
Protein Refseq	NP_006224
UniProt ID	P36954
Chromosome Location	19q12
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat; Disease; Epstein-Barr virus infection; Eukaryotic Transcription Initiation.
Function	DNA binding; contributes_to DNA-directed RNA polymerase activity; zinc ion binding;