



Anti-POLR2D (full length) polyclonal antibody (DPAB-DC2316)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes the fourth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit is associated with the polymerase under suboptimal growth conditions and may have a stress protective role. A sequence for a ribosomal pseudogene is contained within the 3 untranslated region of the transcript from this gene.
Immunogen	POLR2D (AAH17205, 1 a.a. ~ 142 a.a) full-length recombinant protein with GST tag. The sequence is MAAGGSDPRAGDVEEDASQLIFPKGFETAETLLNSEVHMLLEHRKQQNESAEDEQELSEV FMKTLNLTARFSRFRKNRETIASVRSLLLQKKLHKFELACLANLCPETAESKALIPSLEG RFEDEELQQILDDIQTKRFSFY
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	POLR2D polymerase (RNA) II (DNA directed) polypeptide D [Homo sapiens (human)]
Official Symbol	POLR2D
Synonyms	POLR2D; polymerase (RNA) II (DNA directed) polypeptide D; RBP4; RPB16; HSRBP4; HSRPB4; DNA-directed RNA polymerase II subunit RPB4; RNA polymerase II subunit B4; RNA polymerase II 16 kDa subunit; RNA polymerase II subunit hsRBP4; DNA-directed RNA polymerase II subunit D; DNA-directed RNA polymerase II 16 kDa polypeptide;
Entrez Gene ID	5433
Protein Refseq	NP_004796
UniProt ID	A0A024RAJ4
Chromosome Location	2q21
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat; Disease; Epstein-Barr virus infection; Formation of HIV elongation complex in the absence of HIV Tat.
Function	DNA-directed RNA polymerase activity; nucleotide binding; contributes_to single-stranded DNA binding; contributes_to single-stranded RNA binding