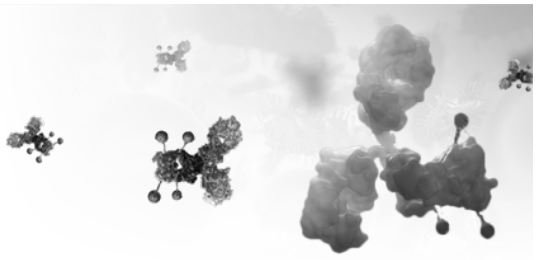

Anti-POLR2E monoclonal antibody, clone 4D6 (DCABH-615)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to POLR2E
Antigen Description	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I, II and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non-coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2E/RPB5 is part of the lower jaw surrounding the central large cleft and thought to grab the incoming DNA template. Seems to be the major component in this process.
Immunogen	Recombinant full length Human POLR2E produced in HEK293T cells (NP_002686).
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4D6
Purification	This antibody is purified from Mouse ascites fluids by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, ICC/IF
Positive Control	HEK293T cell lysate transfected with pCMV6-ENTRY POLR2E cDNA; HepG2, HeLa, A549, COS7, Jurkat, MDCK and MCF7 lysates; COS7 cells transiently transfected by pCMV6-ENTRY POLR2E.

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Format	Liquid
Size	100 µl
Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 1% BSA, 50% Glycerol, 48% PBS
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	POLR2E polymerase (RNA) II (DNA directed) polypeptide E, 25kDa [Homo sapiens]
Official Symbol	POLR2E
Synonyms	POLR2E; polymerase (RNA) II (DNA directed) polypeptide E, 25kDa; polymerase (RNA) II (DNA directed) polypeptide E (25kD); DNA-directed RNA polymerases I, II, and III subunit RPABC1; DNA directed RNA polymerase II 23 kda polypeptide; hRPB25; hsRPB5; RPABC1
Entrez Gene ID	5434
Protein Refseq	NP_002686
UniProt ID	P19388
Chromosome Location	19p13.3
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; DNA Repair, organism-specific biosystem; Disease, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem.
Function	DNA binding; DNA-directed RNA polymerase activity; protein binding; contributes_to protein kinase activity;

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