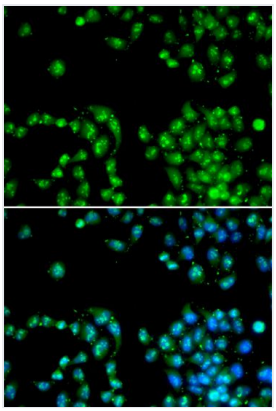
POLR2L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	POLR2L, Polyclonal Antibody
Full Product Name	POLR2L
Product Gene Name	anti-POLR2L antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Molecular Weight	67
OMIM	601189
3D Structure	ModBase 3D Structure for P62875
Species	Human
Immunogen	Recombinant Protein
Product Categories/Family for anti-POLR2L antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-POLR2L antibody	Western Blot (WB)
Related Product Information for anti-POLR2L antibody	MBS9127323 is an antibody targeting POLR2L. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-POLR2L antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-POLR2L antibody
Immunofluorescence analysis of HeLa cells using POLR2L antibody. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POLR2L. It may not necessarily be applicable to this product.

NCBI GI #	51338657
NCBI GeneID	5441
NCBI Accession #	P62875.1
UniProt Primary Accession #	P62875
UniProt Secondary Accession #	P52436; Q6FHX3
UniProt Related Accession #	P62875
NCBI Official Full Name	DNA-directed RNA polymerases I, II, and III subunit RPABC5
NCBI Official Synonym Full Names	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa
NCBI Official Symbol	POLR2L
NCBI Official Synonym Symbols	RBP10; RPB10; RPABC5; RPB7.6; hRPB7.6; RPB10beta
UniProt Protein Name	DNA-directed RNA polymerases I, II, and III subunit RPABC5
UniProt Synonym Protein Names	DNA-directed RNA polymerase III subunit L; RNA polymerase II 7.6 kDa subunit; RPB7.6; RPB10 homolog
UniProt Gene Name	POLR2L
UniProt Synonym Gene Names	RNA polymerases I, II, and III subunit ABC5; RPB7.6
UniProt Entry Name	RPAB5_HUMAN
NCBI Protein Information	DNA-directed RNA polymerases I, II, and III subunit RPABC5; RPB10 homolog; RNA polymerase II 7.6 kDa subunit; DNA-directed RNA polymerase III subunit L; RNA polymerases I, II, and III subunit ABC5
NCBI Summary for POLR2L	This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains four conserved cysteines characteristic of an atypical zinc-binding domain. Like its counterpart in yeast, this subunit may be shared by the other two DNA-directed RNA polymerases. [provided by RefSeq, Jul 2008]
UniProt Comments for POLR2L	POLR2L: 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 a 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, POLR2L/RBP10 is part of the core element with the central large cleft. Belongs to the archaeal RpoN/eukaryotic RPB10 RNA polymerase subunit family. Protein type: EC 2.7.7.6; Transcription initiation complex; Nucleotide Metabolism - pyrimidine; Nucleotide Metabolism - purine; DNA-binding; Transferase Chromosomal Location of Human Ortholog: 11p15 Cellular Component: nucleoplasm; DNA-directed RNA polymerase III complex; DNA-directed RNA polymerase II, core complex; cytosol; nucleus; DNA-directed RNA polymerase I complex Molecular Function: DNA binding; zinc ion binding; DNA-directed RNA polymerase activity Biological Process: transcription from RNA polymerase II promoter; termination of RNA polymerase III transcription; viral reproduction; positive regulation of viral transcription; somatic stem cell maintenance; regulation of gene expression, epigenetic; transcription from RNA polymerase III promoter; mRNA capping; negative regulation of gene expression, epigenetic; transcription-coupled nucleotide-excision repair; positive regulation of interferon type I production; RNA elongation from RNA polymerase III promoter; transcription initiation from RNA polymerase II promoter; regulation of transcription from RNA polymerase I promoter; RNA splicing; RNA elongation from RNA polymerase I promoter; transcription from RNA polymerase I promoter; termination of RNA polymerase I transcription; DNA repair; nuclear mRNA splicing, via spliceosome; nucleotide-excision repair; RNA elongation from RNA polymerase II promoter; innate immune response; gene expression; transcription initiation from RNA polymerase I promoter

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