

POLR2A polyclonal antibody (A01)

Catalog # H00005430-A01

Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant POLR2A.
Immunogen	POLR2A (NP_000928, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag.
Sequence	MHGGGPPSGDSACPLRTIKRVQFGVLSDELKRMSVTEGGIKYPETTEGGRPKLGGLMDPRQGV IERTGRCQTCAGNMTECPGHFGHIELAKPVFHVGFVKTMKVLRCV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (100)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — POLR2A

Entrez GeneID	5430
GeneBank Accession#	NM_000937
Protein Accession#	NP_000928
Gene Name	POLR2A

Gene Alias	MGC75453, POLR2, POLRA, RPB1, RPBh1, RPO2, RPOL2, RpIIIS, hRPB220, hsRPB1
Gene Description	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa
Omim ID	180660
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and threonine residues that are phosphorylated in actively transcribing RNA polymerase. In addition, this subunit, in combination with several other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA. [provided by RefSeq]
Other Designations	DNA directed RNA polymerase II polypeptide A DNA-directed RNA polymerase II largest subunit, RNA polymerase II 220 kd subunit polymerase (RNA) II (DNA directed) polypeptide A (220kD)

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)
- [RNA polymerase](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Urinary Bladder Neoplasms](#)