RecomAb™

POLR2A recombinant monoclonal antibody, clone R06-5Y1

Catalog # RAB06493 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human POLR2A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human POLR2A.
Theoretical MW (kDa)	Calculated MW: 217 k
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunohistochemistry (1:50-1:100) Immunofluorescence(1:50-1:200) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — POLR2A

Entrez GeneID	5430
Gene Name	POLR2A
Gene Alias	MGC75453, POLR2, POLRA, RPB1, RPBh1, RPO2, RPOL2, RpIILS, 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 synth esizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal dom ain composed of heptapeptide repeats that are essential for polymerase activity. These repeats c ontain serine and threonine residues that are phosphorylated in actively transcribing RNA polymer ase. In addition, this subunit, in combination with several other polymerase subunits, forms the DN A 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