

RecomAb™

POLR2A recombinant monoclonal antibody, clone R08-4O2

Catalog # RAB06492 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 should 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, 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](#)