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POLR2J2 (3R19) Mouse Monoclonal antibody

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Catalog # AP93899

Product Information

Application	WB
Primary Accession	Q9GZM3
Reactivity	Rat, Human, Monkey, Dog
Clonality	Monoclonal
Calculated MW	13088

Additional Information

Gene ID	246721
Other Names	DNA-directed RNA polymerase II subunit RPB11-b1, RNA polymerase II subunit B11-b1, RPB11b1, DNA-directed RNA polymerase II subunit J2, POLR2J2
Dilution	WB~~1:1000
Storage Conditions	-20℃

Protein Information

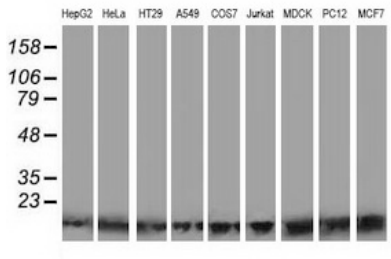
Name	POLR2J2
Function	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB11 is part of the core element with the central large cleft (By similarity).
Cellular Location	Nucleus.
Tissue Location	Ubiquitously expressed.

Background

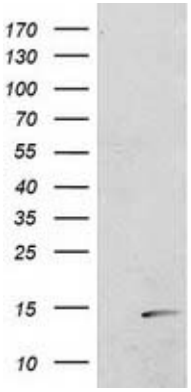
This gene is a member of the RNA polymerase II subunit 11 gene family, which includes three genes in a cluster on chromosome 7q22.1 and a pseudogene on chromosome 7p13. The founding member of this family, DNA directed RNA polymerase II polypeptide J, has been shown to encode a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This locus

produces multiple, alternatively spliced transcripts that potentially express isoforms with distinct C-termini compared to DNA directed RNA polymerase II polypeptide J. Most or all variants are spliced to include additional non-coding exons at the 3' end which makes them candidates for nonsense-mediated decay (NMD). Consequently, it is not known if this locus expresses a protein or proteins in vivo. [provided by RefSeq]

Images



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-POLR2J2 monoclonal antibody.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY POLR2J2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-POLR2J2. Positive lysates (100ug) and (20ug) can be purchased separately from biodragon.