

## Product datasheet for **CF502455**

### **POLR2J2 Mouse Monoclonal Antibody [Clone ID: OTI6E9]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI6E9
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:2000, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human POLR2J2 (NP_116581) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	12.9 kDa
<b>Gene Name:</b>	RNA polymerase II subunit J2
<b>Database Link:</b>	<a href="#">NP_116581</a> <a href="#">Entrez Gene 246721 Human</a> <a href="#">Q9GZM3</a>



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**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]

**Synonyms:**

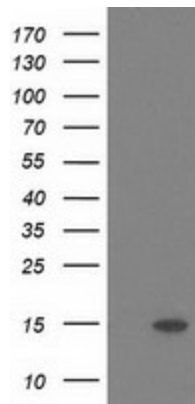
HRPB11B; RPB11b1

**Protein Families:**

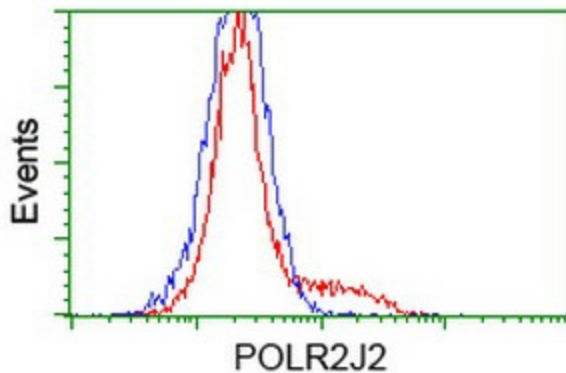
Transcription Factors

**Protein Pathways:**

Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY POLR2J2 ([RC224755], 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 [LY409843] (100ug) and [LC409843] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC224755] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-POLR2J2 antibody ([TA502455]), and then analyzed by flow cytometry.