

## Product datasheet for **TA502406M**

### **POLR2J2 Mouse Monoclonal Antibody [Clone ID: OTI1C6]**

#### **Product data:**

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI1C6  |
| Applications:           | FC, WB  |
| Recommended Dilution:   | WB 1:2000, FLOW 1:100   |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG1  |
| Clonality:              | Monoclonal  |
| Immunogen:              | Full length human recombinant protein of human POLR2J2 (NP_116581) produced in HEK293T cell.              |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                      |
| Concentration:          | 0.67 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 12.9 kDa  |
| Gene Name:              | RNA polymerase II subunit J2  |
| Database Link:          | <a href="#">NP_116581</a><br><a href="#">Entrez Gene 246721 Human</a><br><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:**

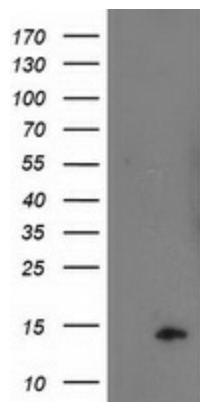
HRPB11B; RPB11b1

**Protein Families:**

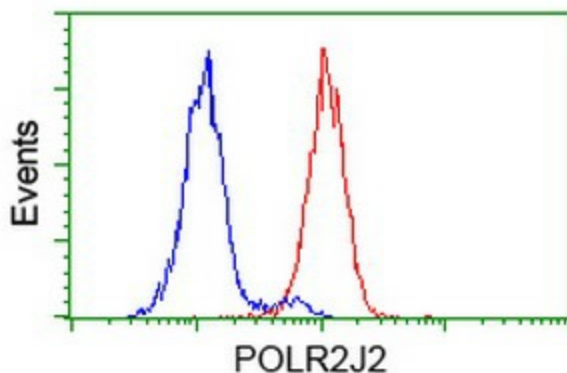
Transcription Factors

**Protein Pathways:**

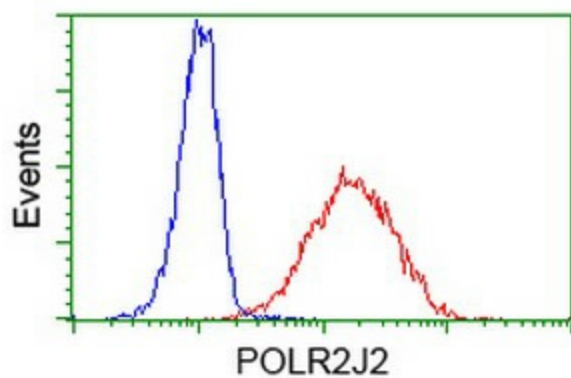
Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

**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.



Flow cytometric Analysis of Hela cells, using anti-POLR2J2 antibody ([TA502406]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-POLR2J2 antibody ([TA502406]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).