

Product datasheet for **CF502490**

POLR2E Mouse Monoclonal Antibody [Clone ID: OTI2A11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A11
Applications:	IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human POLR2E (NP_002686) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	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)
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:	24.4 kDa
Gene Name:	RNA polymerase II, I and III subunit E
Database Link:	NP_002686 Entrez Gene 66420 Mouse Entrez Gene 690966 Rat Entrez Gene 5434 Human P19388



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Background:

This gene encodes the fifth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases and is present in two-fold molar excess over the other polymerase subunits. An interaction between this subunit and a hepatitis virus transactivating protein has been demonstrated, suggesting that interaction between transcriptional activators and the polymerase can occur through this subunit. A pseudogene is located on chromosome 11. [provided by RefSeq]

Synonyms:

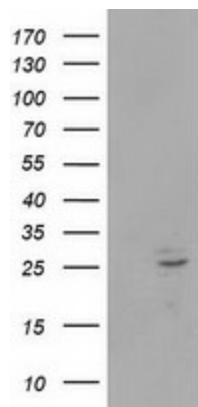
hRPB25; hsRPB5; RPABC1; RPB5; XAP4

Protein Families:

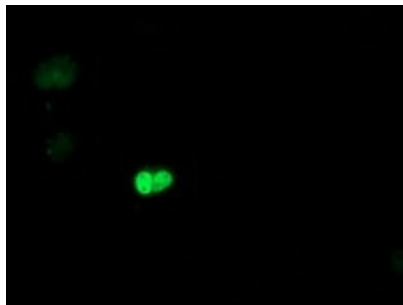
Transcription Factors

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 POLR2E ([RC201266], 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-POLR2E. Positive lysates [LY419161] (100ug) and [LC419161] (20ug) can be purchased separately from OriGene.



Anti-POLR2E mouse monoclonal antibody ([TA502490]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY POLR2E ([RC201266]).