

## **POLR2E Polyclonal Antibody**

**Catalog # AP71994** 

## **Specification**

## **POLR2E Polyclonal Antibody - Product Information**

Application WB, IHC-P Primary Accession P19388

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

# **POLR2E Polyclonal Antibody - Additional Information**

#### **Gene ID 5434**

#### **Other Names**

POLR2E; DNA-directed RNA polymerases I; II, and III subunit RPABC1; RNA polymerases I, II, and III subunit ABC1; DNA-directed RNA polymerase II 23 kDa polypeptide; DNA-directed RNA polymerase II subunit E; RPB5 homolog; XAP4

### **Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~ $\sim$ N/A

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

# **Storage Conditions**

-20°C

## **POLR2E Polyclonal Antibody - Protein Information**

## Name POLR2E (HGNC:9192)

#### **Function**

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I, II and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non- coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2E/RPABC1 is part of the lower jaw surrounding the central large cleft and thought to grab the incoming DNA template.

# **Cellular Location**

Nucleus. Nucleus, nucleolus

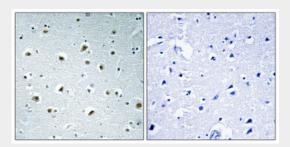


## **POLR2E Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **POLR2E Polyclonal Antibody - Images**



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

## **POLR2E Polyclonal Antibody - Background**

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I, II and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non-coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2E/RPB5 is part of the lower jaw surrounding the central large cleft and thought to grab the incoming DNA template. Seems to be the major component in this process (By similarity).