

# Mouse POLR2E Monoclonal Antibody | anti-POLR2E antibody

POLR2E antibody

|                               |                      |                                                         |
|-------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA108267</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence</b> |
|-------------------------------|----------------------|---------------------------------------------------------|

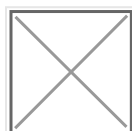
## PRODUCT SYNONYMS

POLR2E; Monoclonal Antibody; POLR2E antibody; Monoclonal POLR2E; Anti-POLR2E; DNA-directed RNA polymerase II subunit E; RNA polymerases I II and III subunit ABC1; XAP4; RPABC1; RPB5; hRPB25; POLRE 2; POLRE-2; anti-POLR2E antibody

## PRODUCT SPECIFICATIONS

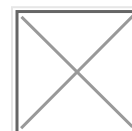
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|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype                                          | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clone Number                                     | 2A11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification                              | POLR2E antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                      | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                    | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence Length                                  | 210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-POLR2E antibody | WB (Western Blot), IF (Immunofluorescence)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Biological Significance                          | 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 virustransactivating 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. |
| Cross-Reactivity                                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen                                        | POLR2E antibody was raised in mouse using a full length recombinant protein of human POLR2E (NP_002686) produced in HEK293T cells, as the immunogen.                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                          | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                         |

## IMAGES



### WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant POLR2E protein (Right) or empty vector (Left) detected with POLR2E antibody



### IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant POLR2E protein using POLR2E antibody

ADDITIONAL INFORMATION

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| Related Product Information for anti-POLR2E antibody | Mouse monoclonal POLR2E antibody |
| Product Categories/Family for anti-POLR2E antibody   | DNA & RNA                        |

NCBI AND UNIPROT INFORMATION

|                         |                 |
|-------------------------|-----------------|
| NCBI GI #               | 649102284       |
| NCBI Official Full Name | POLR2E, partial |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/polr2e-antibody-clone-2a11-western-blot-immunofluorescence-elisa/108267>