

# Product Data Sheet

## Anti-POLR2E Antibody

| Catalog #                | Source                                                                                                                                                                                                                   | Reactivity     | Applications |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| CPA4162                  | Rabbit                                                                                                                                                                                                                   | H, M, R, B, Mk | WB, IH       |
| <b>Description</b>       | Rabbit polyclonal antibody to POLR2E                                                                                                                                                                                     |                |              |
| <b>Immunogen</b>         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human POLR2E. The exact sequence is proprietary.                                                                                    |                |              |
| <b>Purification</b>      | The antibody was purified by immunogen affinity chromatography.                                                                                                                                                          |                |              |
| <b>Specificity</b>       | Recognizes endogenous levels of POLR2E protein.                                                                                                                                                                          |                |              |
| <b>Clonality</b>         | Polyclonal                                                                                                                                                                                                               |                |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                                                                                |                |              |
| <b>Dilution</b>          | WB (1/500 - 1/1000), IH (1/100 - 1/200)                                                                                                                                                                                  |                |              |
| <b>Gene Symbol</b>       | POLR2E                                                                                                                                                                                                                   |                |              |
| <b>Alternative Names</b> | 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 |                |              |
| <b>Entrez Gene</b>       | 5434 (Human); 66420 (Mouse); 690966 (Rat)                                                                                                                                                                                |                |              |
| <b>SwissProt</b>         | P19388 (Human); Q80UW8 (Mouse); BOBNE2 (Rat)                                                                                                                                                                             |                |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                                                                                         |                |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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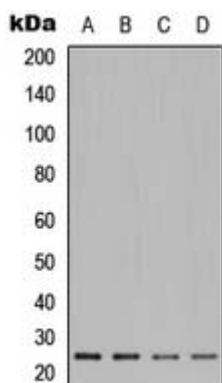
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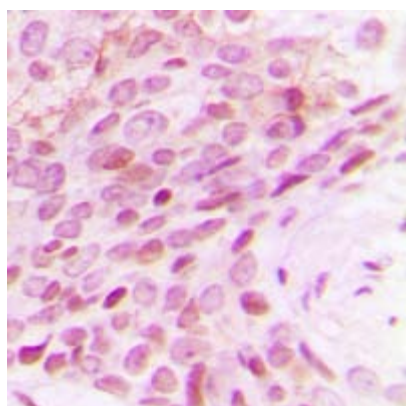
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Western blot analysis of POLR2E expression in A549 (A), Jurkat (B), HeLa (C), PC12 (D) whole cell lysates.



Immunohistochemical analysis of POLR2E staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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