Anti-Human POLR2A Antibody [K16265_16D10]

Catalog No. K16265C16D10C

Overview

Product name: Anti-Human POLR2A Antibody [K16265_16D10]
Antibody specificity: RNA polymerase II subunit A
Species reactivity: Human
Clonality: Monoclonal
Clone number: K16265_16D10
Host / isotype: Mouse / IgG1
Immunogen: Recombinant human POLR2A
Cross reactivity: Not tested
Kinetic characterization by BLI (biolayer interferometry): Not tested
Purification: Protein A purified from cell culture supernatants
Form: Liquid
Concentration: 1 mg/mL in phosphate buffered saline containing 0.09% preservative
Conjugation: Unconjugated

Shipping, storage and shelf life
- Shipped at ambient temperature. Avoid repeated freeze-thaw cycles.
- Upon receipt, *3 months when stored at 2 to 8 °C
- *1 year when aliquoted and stored at -20 °C
- *3 years when aliquoted and stored at -80 °C

Applications

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<th>Applications</th>
<th>Recommended concentration</th>
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<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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<tr>
<td>Immunohistochemistry-paraffin (IHC-P)</td>
<td>7.5 µg/mL</td>
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Note:
- * The applications above have already been verified. The antibody may be suitable for additional applications.
- * Optimal antibody concentrations for each application should be determined by the user.

Additional information

Target antigen
- Protein name: RNA polymerase II subunit A
- Gene name: POLR2A
- UniProt Accession: P24928
- Organism: Homo sapiens (Human)

Paired antibody information
- K16265_16D10 may pair with K16265_5E11 for sandwich based immune assays.
Immunohistochemistry

IHC-P analysis of human testis tissue by anti-human POLR2A antibody (K16265_16D10). IHC-P was performed using sections of the formalin-fixed paraffin-embedded human testis tissue. Antigen was retrieved through addition of boiling Tris/EDTA buffer pH 9 in a pressure cooker for 3 min. Endogenous peroxidase activity was quenched by incubating the sections with 3% H₂O₂ for 30 min at room temperature. The sections were then incubated with anti-human POLR2A primary antibody (K16265_16D10) at 7.5 µg/mL at room temperature for 1 h. Poly-peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. Diaminobenzidine was used as the chromogen. The section was counterstained with hematoxylin. A tissue section incubated with phosphate-buffered saline followed by incubation with the secondary antibody was used as the background control.

Result: Cells in seminiferous ducts are positively stained at the nuclei.