Anti-Human TOP2A Antibody [K16188_14G6]

Catalog No. K16188M14G06C

Overview

Product name: Anti-Human TOP2A Antibody [K16188_14G6]
Antibody specificity: DNA topoisomerase II alpha
Species reactivity: Human
Clonality: Monoclonal
Clone number: K16188_14G6
Host / isotype: Mouse / IgG1
Immunogen: Recombinant human TOP2A
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
- 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

<table>
<thead>
<tr>
<th>Application</th>
<th>Recommended concentration</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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<tr>
<td>Immunohistochemistry-paraffin (IHC-P)</td>
<td>2.5 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: DNA topoisomerase II alpha
- Gene name: TOP2A
- UniProt Accession: P11388
- Organism: Homo sapiens (Human)

Product data

Immunohistochemistry

IHC-P analysis of human testis tissue by anti-human TOP2A antibody (K16188_14G6). 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% H$_2$O$_2$ for 30 min at room temperature. The sections were then incubated with anti-human TOP2A primary antibody (K16188_14G6) at 2.5 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: Seminiferous duct cells are positively stained at the nuclei.

1 / 1