

## Anti-TOP2A antibody (1400-1531 aa) [ABT272] (STJ197194)

### GENERAL INFORMATION

Product Type	Primary antibodies
Applications	IHC/WB/IF
Host / Source	Mouse
Reactivity	Human/Mouse/Rat

### PRODUCT PROPERTIES

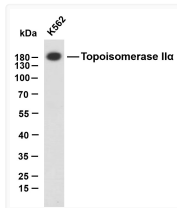
Clonality	Monoclonal
Conjugation	Unconjugated
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution Range	IHC-P 1:100-500 WB 1:200-1000 IF 1:100-500
Formulation	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Isotype	IgG1k
Molecular Weight	Calculated: 174kD Observed: 174kD
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

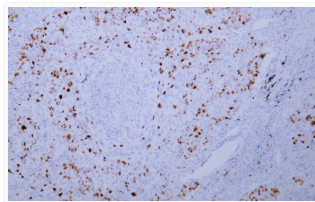
Gene ID	<a href="#">7153</a>
Gene Symbol	<a href="#">TOP2A</a>
UniProt ID	<a href="#">TOP2A_HUMAN</a>
Immunogen Region	1400-1531 aa
Specificity	The antibody can specifically recognize human Topoisomerase II Alpha protein.

### ADDITIONAL INFORMATION

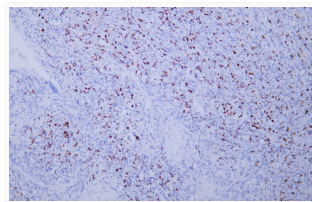
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



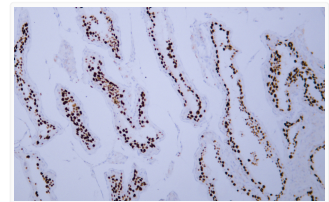
K562 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Topoisomerase IIα (ABT272) antibody. The HRP-conjugated Goat anti-mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: K562 Predicted band size: 174kDa Observed band size: 174kDa



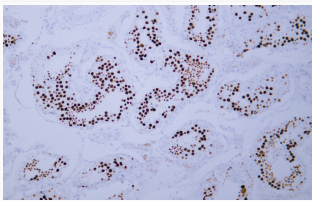
Human lung squamous cell carcinoma tissue was stained with Anti-Topoisomerase IIα (ABT272) Antibody



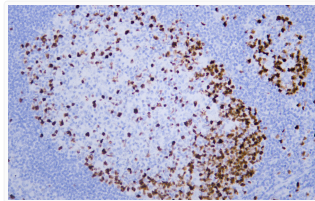
Human lymphoma tissue was stained with Anti-Topoisomerase IIα (ABT272) Antibody



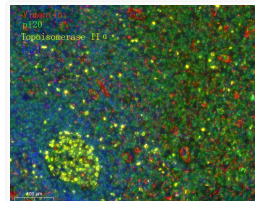
Human seminoma tissue was stained with Anti-Topoisomerase IIα (ABT272) Antibody



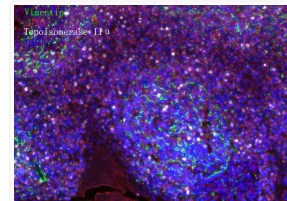
Human testis tissue was stained with Anti-Topoisomerase IIα (ABT272) Antibody



Human tonsil tissue was stained with Anti-Topoisomerase IIα (ABT272) Antibody



Fluorescence multiplex immunohistochemical analysis of Human tonsil tissue (formalin-fixed paraffin-embedded section). Merged staining of Anti-Vimentin (STJ197198), Anti-p120 (STJ190083), Anti-Topoisomerase IIα (STJ197194). The immunostaining was performed on a Leica Biosystems BOND® MAX instrument with an Sextuple-Fluorescence kit. The section was incubated in 3 rounds of staining; sequentially for Anti-Vimentin (STJ197198 1:200), Anti-p120 (STJ190083 1:200), Anti-Topoisomerase IIα (STJ197194 1:200). Each using a separate fluorescent tyramide signal amplification system. EDTA based antigen retrieval (Leica Biosystems BOND® Epitope Retrieval Solution 2, pH 9.0, 20 minutes) was used in between rounds of tyramide signal amplification to remove the antibody from the previous round, to avoid any cross-reactivity. DAPI (dark blue) was used as a nuclear counter stain. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (3D histech).



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