

Topoisomerase 2 beta Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51578**Specification**

Topoisomerase 2 beta Antibody - Product Information

Application	WB
Primary Accession	Q02880
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	183 KDa
Antigen Region	11 - 70

Topoisomerase 2 beta Antibody - Additional Information**Gene ID** 7155**Other Names**

DNA topoisomerase 2-beta, DNA topoisomerase II, beta isozyme, TOP2B

Target/Specificity

KLH conjugated synthetic peptide derived from human Topoisomerase 2 beta

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Topoisomerase 2 beta Antibody - Protein Information**Name** TOP2B**Function**

Key decatenating enzyme that alters DNA topology by binding to two double-stranded DNA molecules, generating a double-stranded break in one of the strands, passing the intact strand through the broken strand, and religating the broken strand. Plays a role in B-cell differentiation.

Cellular Location

Nucleus, nucleolus. Nucleus, nucleoplasm. Nucleus

Tissue Location

Expressed in the tonsil, spleen, lymph node, thymus, skin, pancreas, testis, colon, kidney, liver, brain and lung (PubMed:9155056). Also found in breast, colon and lung carcinomas, Hodgkin's

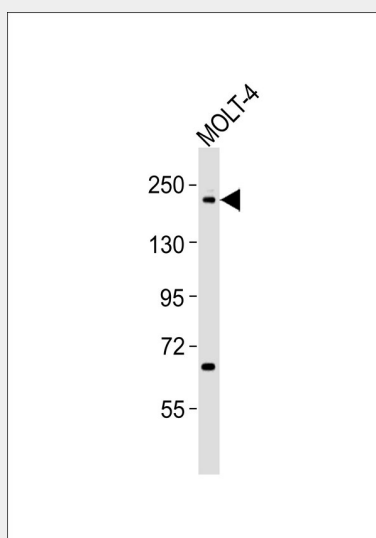
disease, large-cell non-Hodgkin's lymphoma, lymphocytic lymphomas and seminomas (PubMed:9155056).

Topoisomerase 2 beta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Topoisomerase 2 beta Antibody - Images



Anti-Topoisomerase 2 beta Antibody at 1:1000 dilution + MOLT-4 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 183 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

Topoisomerase 2 beta Antibody - Background

Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Indirectly involved in vitamin D- coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.

Topoisomerase 2 beta Antibody - References

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Austin C.A., et al. Biochim. Biophys. Acta 1172:283-291(1993).
Chung T.D., et al. Proc. Natl. Acad. Sci. U.S.A. 86:9431-9435(1989).
Sng J.H., et al. Biochim. Biophys. Acta 1444:395-406(1999).
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