



# TOP2B Antibody

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|----------------------------|---|
| <b>Product Code</b>        | CSB-PA024061GA01HU  |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.   |
| <b>Uniprot No.</b>         | Q02880  |
| <b>Immunogen</b>           | Human TOP2B   |
| <b>Raised In</b>           | Rabbit  |
| <b>Species Reactivity</b>  | Human, Mouse  |
| <b>Tested Applications</b> | ELISA, WB, IHC, IF  |
| <b>Storage Buffer</b>      | PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3. -20°C, Avoid freeze / thaw cycles.   |
| <b>Purification Method</b> | Antigen Affinity purified   |
| <b>Isotype</b>             | IgG   |
| <b>Alias</b>               | topoisomerase (DNA) II beta 180kDa; TOP2B; TOP2B; top2beta ;  |
| <b>Product Type</b>        | Purified Rabbit Anti Human PolyClonal Antibody  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)  |
| <b>Target Names</b>        | TOP2B   |
| <b>Target Details</b>      | <p>This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Two forms of this enzyme exist as likely products of a gene duplication event. The gene encoding this form, beta, is localized to chromosome 3 and the alpha form is localized to chromosome 17. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced activity of this enzyme may also play a role in ataxia-telangiectasia. Alternative splicing of this gene results in two transcript variants; however, the second variant has not yet been fully described.</p> |
| <b>Usage</b>               | For Research Use Only. Not for use in diagnostic or therapeutic procedures.   |