

## anti-Human, Mouse TOP2A Antibody | anti-TOP2A antibody

TOP2A (Phospho-Ser1106) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA109574</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

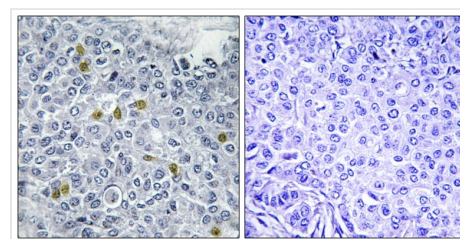
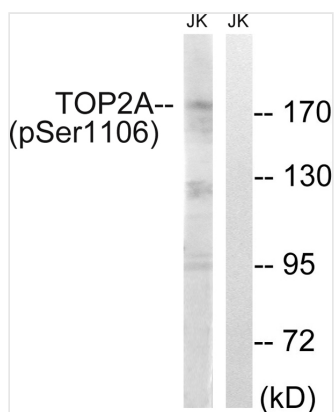
### PRODUCT SYNONYMS

TOP2A; TOP2A (Phospho-Ser1106) Antibody; alpha isozyme; DNA topoisomerase II; DNA topoisomerase II-alpha; EC 5.99.1.3; P11388-1; TOP-2; TOP2; TP2A; anti-TOP2A antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                     | TOP2A (Phospho-Ser1106) antibody detects endogenous levels of TOP2A only when phosphorylated at serine 1106.                                                                                                                                        |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                 | 1531                                                                                                                                                                                                                                                |
| Applicable Applications for anti-TOP2A antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human TOP2A around the phosphorylation site of serine 1106 (E-E-SP-D-N).                                                                                                 |
| All Sites                                       | Human: Ser1106<br>Mouse: Ser1105                                                                                                                                                                                                                    |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using TOP2A (Phospho-Ser1106) antibody. Western blot analysis of extracts from Jurkat cells, treated with paclitaxel (1uM, 24hours), using TOP2A (Phospho-Ser1106) antibody.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-TOP2A antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                        | Tsai-Pflugfelder M., Proc. Natl. Acad. Sci. U.S.A. 85:7177-7181(1988). Wasserman R.A., Cancer Res. 53:3591-3596(1993). Lang A.J., Gene 221:255-266(1998).                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 19913406                                                               |
| NCBI GeneID                      | 7153                                                                   |
| NCBI Accession #                 | NP_001058.2                                                            |
| NCBI GenBank Nucleotide #        | NM_001067.3                                                            |
| UniProt Accession #              | P11388; Q71UN1; Q71UQ5; Q9HB24; Q9HB25; Q9HB26; Q9UP44; Q9UQP9; B2RTS1 |
| Molecular Weight                 | 182,681 Da                                                             |
| NCBI Official Full Name          | DNA topoisomerase 2-alpha                                              |
| NCBI Official Synonym Full Names | DNA topoisomerase II alpha                                             |
| NCBI Official Symbol             | TOP2A                                                                  |
| NCBI Official Synonym Symbols    | TOP2; TP2A                                                             |
| NCBI Protein Information         | DNA topoisomerase 2-alpha                                              |
| UniProt Protein Name             | DNA topoisomerase 2-alpha                                              |
| UniProt Gene Name                | TOP2A                                                                  |
| UniProt Synonym Gene Names       | TOP2                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/top2a/109574>