

## Rabbit anti-Human, Mouse TOP1 Polyclonal Antibody | anti-TOP1 antibody

Rabbit anti-TOP1 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                      |
|-----------|--------|--------------|-----------------------------------|
| AAA211939 | Rabbit | Human, Mouse | Immunoprecipitation, Western Blot |

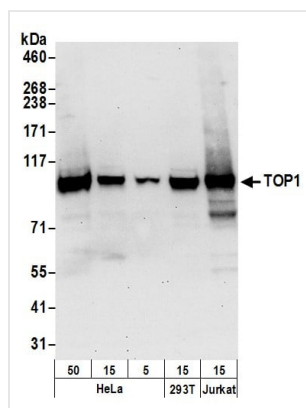
### PRODUCT SYNONYMS

TOP1; Polyclonal Antibody; Rabbit anti-TOP1 Antibody; Affinity Purified; topoisomerase (DNA) I; type I DNA topoisomerase; DNA topoisomerase 1; DNA topoisomerase I; TOPI; anti-TOP1 antibody

### PRODUCT SPECIFICATIONS

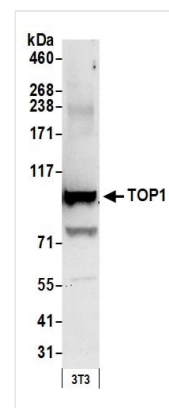
|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse                                                                              |
| Clonality                                      | Polyclonal                                                                                |
| Purity/Purification                            | Antigen Affinity Purified                                                                 |
| Form/Format                                    | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                  | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-TOP1 antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Immunogen                                      | Between 715 and C-terminus                                                                |
| Conjugation                                    | Unconjugated                                                                              |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



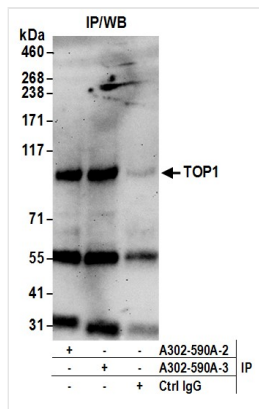
#### WB (Western Blot)

Detection of human TOP1 by western blot. Samples: Whole cell lysate (50, 15, 5 ug) from HeLa and (50 ug) from HEK293T and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-TOP1 antibody AAA211939 (lot AAA211939-3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



#### WB (Western Blot)

Detection of mouse TOP1 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-TOP1 antibody AAA211939 (lot AAA211939-3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



**IP (Immunoprecipitation)**  
 Detection of human TOP1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-TOP1 antibody AAA211939 (lot AAA211939-3) used for IP at 6 ug per reaction. TOP1 was also immunoprecipitated by a previous lot of this antibody (lot AAA211939-2). For blotting immunoprecipitated TOP1, AAA211939 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TOP1 antibody | Topoisomerase I (TOPI) functions as an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA [taken from NCBI Entrez Gene (GeneID: 7150)]. |
| Product Categories/Family for anti-TOP1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                  |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 11225260                                                               |
| NCBI GeneID                      | 7150                                                                   |
| NCBI Accession #                 | NP_003277.1                                                            |
| NCBI GenBank Nucleotide #        | NM_003286.2                                                            |
| UniProt Accession #              | P11387; O43256; Q12855; Q12856; Q15610; Q5TFY3; Q9UJN0; A8KA78; E1P5W3 |
| Molecular Weight                 | 90,726 Da                                                              |
| NCBI Official Full Name          | DNA topoisomerase 1                                                    |
| NCBI Official Synonym Full Names | topoisomerase (DNA) I                                                  |
| NCBI Official Symbol             | TOP1                                                                   |
| NCBI Official Synonym Symbols    | TOPI                                                                   |
| NCBI Protein Information         | DNA topoisomerase 1; type I DNA topoisomerase                          |
| UniProt Protein Name             | DNA topoisomerase 1                                                    |
| UniProt Gene Name                | TOP1                                                                   |
| UniProt Entry Name               | TOP1_HUMAN                                                             |

**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.