

OriGene Technologies, Inc.

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Product datasheet for TA344881

TDP1 Rabbit Polyclonal Antibody

Product data:

| Product Type: | Primary Antibodies |
|-------------------------|--|
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Mouse |
| Host: | Rabbit |
| lsotype: | lgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for Anti-Tdp1 antibody is: synthetic peptide directed towards the C-terminal region of Mouse Tdp1. Synthetic peptide located within the following region: GRPPGKSAVPLHLIYPSVENVRTSLEGYPAGGSLPYSIQTAEKQRWLHSY |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers. |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 66 kDa |
| Gene Name: | tyrosyl-DNA phosphodiesterase 1 |
| Database Link: | <u>NP_060789</u> <u>Entrez Gene 104884 Mouse</u> <u>Q9NUW8</u> |

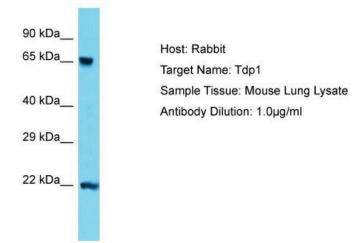


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DRIGENE TDP1 Rabbit Polyclonal Antibody – TA344881

| Background: | Tdp1 is a DNA repair enzyme that can remove a variety of covalent adducts from DNA through hydrolysis of a 3'-phosphodiester bond, giving rise to DNA with a free 3' phosphate. It catalyzes the hydrolysis of dead-end complexes between DNA and the topoisomerase I active site tyrosine residue and Hydrolyzes 3'-phosphoglycolates on protruding 3' ends on DNA double-strand breaks due to DNA damage by radiation and free radicals. Tdp1 acts on blunt-ended double-strand DNA breaks and on single-stranded DNA. It Has low h3'exonuclease activity and can remove a single nucleoside from the 3'end of DNA and RNA molecules with 3'hydroxyl groups and has no exonuclease activity towards DNA or RNA with a 3'phosphate. |
|-------------------|--|
| Synonyms: | FLJ11090; MGC104252 |
| Note: | lmmunogen Sequence Homology: Dog: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Zebrafish: 100%; Pig: 93%; Rabbit: 93%; Guinea pig: 93% |
| Protein Families: | Druggable Genome |

Product images:



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Host: Rabbit; Target Name: Tdp1; Sample Tissue: Mouse Lung lysates; Antibody Dilution: 1.0 ug/ml