

Tdp1 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14074

Product Information

Application	WB
Primary Accession	Q8BJ37
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68689

Additional Information

Other Names	Tyrosyl-DNA phosphodiesterase 1, Tyr-DNA phosphodiesterase 1, 3.1.4.-, Protein expressed in male leptotene and zygotene spermatocytes 501, MLZ-501, Tdp1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 μ l of distilled water. Final Anti-Tdp1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	Tdp1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

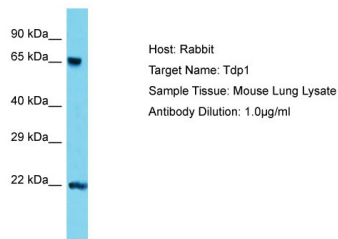
Name	Tdp1
Function	DNA repair enzyme that can remove a variety of covalent adducts from DNA through hydrolysis of a 3'-phosphodiester bond, giving rise to DNA with a free 3' phosphate. Catalyzes the hydrolysis of dead- end complexes between DNA and the topoisomerase I active site tyrosine residue. Hydrolyzes 3'-phosphoglycolates on protruding 3' ends on DNA double-strand breaks due to DNA damage by radiation and free radicals. Acts on blunt-ended double-strand DNA breaks and on single-stranded DNA. Has low 3'exonuclease activity and can remove a single nucleoside from the 3'end of DNA and RNA molecules with 3'hydroxyl groups. Has no exonuclease activity towards DNA or RNA with a 3'phosphate (By similarity).
Cellular Location	Nucleus. Cytoplasm Ubiquitous.

Tissue Location

References

Carninci P.,et al.Science 309:1559-1563(2005).
Katyal S.,et al.EMBO J. 26:4720-4731(2007).
Hirano R.,et al.EMBO J. 26:4732-4743(2007).
Kogo H.,et al.J. Hum. Genet. 55:293-299(2010).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.