

## Product datasheet for **TA503768BM**

### TDP1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI4H1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4H1
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TDP1(NP_060789) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	68.2 kDa
Gene Name:	tyrosyl-DNA phosphodiesterase 1
Database Link:	<a href="#">NP_060789</a> <a href="#">Entrez Gene 55775 Human</a> <a href="#">Q9NUW8</a>



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**Background:**

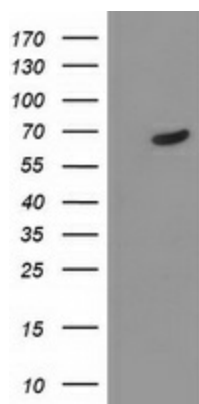
The protein encoded by this gene is involved in repairing stalled topoisomerase I-DNA complexes by catalyzing the hydrolysis of the phosphodiester bond between the tyrosine residue of topoisomerase I and the 3-prime phosphate of DNA. This protein may also remove glycolate from single-stranded DNA containing 3-prime phosphoglycolate, suggesting a role in repair of free-radical mediated DNA double-strand breaks. This gene is a member of the phospholipase D family and contains two PLD phosphodiesterase domains. Mutations in this gene are associated with the disease spinocerebellar ataxia with axonal neuropathy (SCAN1). While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same isoform. [provided by RefSeq]

**Synonyms:**

FLJ11090; MGC104252

**Protein Families:**

Druggable Genome

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TDP1 (Cat# [RC214927], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TDP1 (Cat# [TA503768]). Positive lysates [LY413162] (100ug) and [LC413162] (20ug) can be purchased separately from OriGene.