

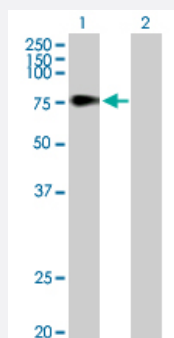
MaxPab®

TDP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00055775-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of TDP1 expression in transfected 293T cell line ([H00055775-T01](#)) by TDP1 MaxPab polyclonal antibody.

Lane 1: TDP1 transfected lysate (66.88 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human TDP1 protein.

Immunogen

TDP1 (NP_001008744.1, 1 a.a. ~ 608 a.a) full-length human protein.

Sequence

MSQEGDYGRWTISSSDESEEEKPKPKDPSTSSLLCARQGAANEPRYTCSEAQKAAHKKRISPVK
FSNTDSVLPPKRQKSGSQEDLGWCLSSSDDELQPEMPQKQAEKVVIKKEKDISAPNDGTAQRT
ENHGAPACHRLKEEEDYEYTSGEQDQDIWMLDKGNPFQFYLRVSGVKPKYNSGALHIKDILSPL
FGLTVSSAQFNCFDQDVLVKQYPPEFRKKPILLVHGDKREKAHLHAQAKPYENISLCQAKLDIA
FGTHHTKMMLLLYEEGLRVVIHTSNLIHADWHQKTQGWLSPLYPRIADGTHKSGESPTHFKADLIS
YLMAYNAPSLKEWIDVIHKHDLSETNVYLIGSTPGRFQGSQKDNWGHFRLKLLKDHASSMPNAE
SWPVVGQFSSVGSGLGADESKWLCSEFKESMLTLGKESKTPGKSSVPLYLYPSVENVRTSLEGY
PAGGSLPYSIQTAEKQNWLSYFHKWSAETSGRSNAMPHIKTYMRSPDFSKIAWFLVTSANLSK
AAWGALEKNGTQLMIRSYELGVFLPFAFLDSFKVKQKFFAGSQEPMATFPVPYDLPELYGS
KDRPWIIWNPYVKAPDTHGNMWVPS

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (81); Rat (82)

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Transfected lysate)

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[Protocol Download](#)

Gene Info — TDP1

Entrez GeneID	55775
GeneBank Accession#	NM_001008744
Protein Accession#	NP_001008744.1
Gene Name	TDP1
Gene Alias	FLJ11090, MGC104252
Gene Description	tyrosyl-DNA phosphodiesterase 1
Omim ID	607198 607250
Gene Ontology	Hyperlink

Gene Summary	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 nature 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]
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Other Designations	-
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Disease

- [Breast cancer](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Werner syndrome](#)