

Rabbit TDP1 Polyclonal Antibody | anti-TDP1 antibody

TDP1 Antibody

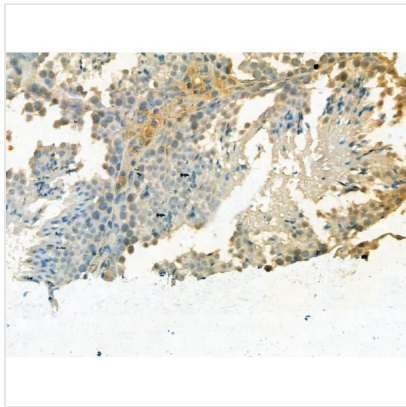
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328913	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(83%), Horse(100%), Rabbit(100%), Dog(88%), Xenopus(88%)	ELISA, Western Blot

PRODUCT SYNONYMS

TDP1; Polyclonal Antibody; TDP1 Antibody; AI838772; AW493413; FLJ11090; MGC104252; MGC112732; RP24-311F12.2; SCAN1; TYDP; TYDP1_HUMAN; Tyr-DNA phosphodiesterase 1; Tyrosyl-DNA phosphodiesterase 1; anti-TDP1 antibody

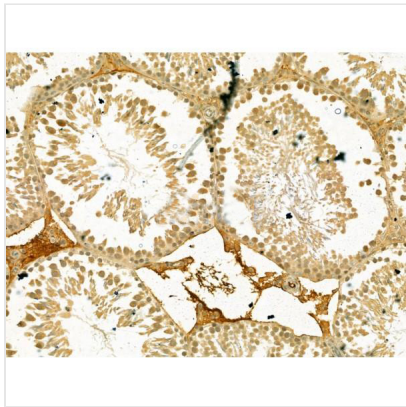
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(83%), Horse(100%), Rabbit(100%), Dog(88%), Xenopus(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	TDP1 Antibody detects endogenous levels of total TDP1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	608
Applicable Applications for anti-TDP1 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human TDP1, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



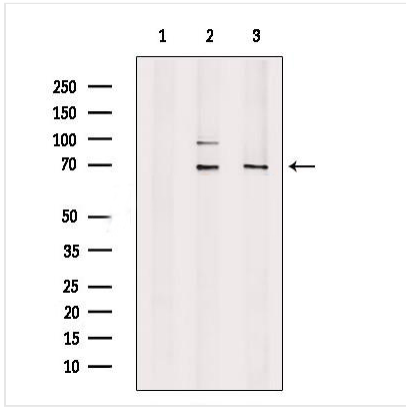
IHC (Immunohistochemisry)

AAA328913 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

AAA328913 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using TDP1 Antibody.Lane 1: B16F10 cells, treated with blocking peptide;Lane 2: B16F10 cells;Lane 3: HepG2 cells.

ADDITIONAL INFORMATION

Related Product Information for anti-TDP1 antibody

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.

Post Translational Modifications: Phosphorylated on serine and/or threonine residues, but not on tyrosine residues.

Subcellular Location: Nucleus. Cytoplasm.

Tissue Specificity: Ubiquitously expressed. Similar expression throughout the central nervous system (whole brain, amygdala, caudate nucleus, cerebellum, cerebral cortex, frontal lobe, hippocampus, medulla oblongata, occipital lobe, putamen, substantia nigra, temporal lobe, thalamus, nucleus accumbens and spinal cord) and increased expression in testis and thymus.

Subunit Structure: Monomer.

Similarity: Belongs to the tyrosyl-DNA phosphodiesterase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37999797
NCBI GeneID	55775
UniProt Accession #	Q9NUW8
Molecular Weight	Observed Molecular Weight: (Observed)68kD. Predicted Molecular Weight: (Calculated)68kDa.
NCBI Official Full Name	Tyrosyl-DNA phosphodiesterase 1
NCBI Official Synonym Full Names	tyrosyl-DNA phosphodiesterase 1
NCBI Official Symbol	TDP1
NCBI Protein Information	tyrosyl-DNA phosphodiesterase 1
UniProt Protein Name	Tyrosyl-DNA phosphodiesterase 1
UniProt Gene Name	TDP1
UniProt Synonym Gene Names	Tyr-DNA phosphodiesterase 1
UniProt Entry Name	TYDP1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tdp1-antibody-western-blot-elisa/328913>