

Rabbit Tyrosyl-DNA phosphodiesterase 1 Polyclonal Antibody | anti-TDP1 antibody

Rabbit anti-human Tyrosyl-DNA phosphodiesterase 1 polyclonal Antibody(TDP1)

CATALOG # AAA114186	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
-------------------------------	-----------------------	--	--

PRODUCT SYNONYMS

Tyrosyl-DNA phosphodiesterase 1; Polyclonal Antibody; Rabbit anti-human Tyrosyl-DNA phosphodiesterase 1 polyclonal Antibody(TDP1); Tyr-DNA phosphodiesterase 1; TDP1; anti-TDP1 antibody

PRODUCT SPECIFICATIONS

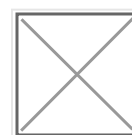
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	608
Applicable Applications for anti-TDP1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Tyrosyl-DNA phosphodiesterase 1 protein (1-260aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-26040 / sc-26038 / sc-32924
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



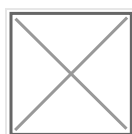
IP (Immunoprecipitation)

Immunoprecipitating TDP1 in Hela whole cell lysate Lane 1: Rabbit control IgG (1ug) instead of AAA114186 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA114186 (8ug) + Hela whole cell lysate (500ug) Lane 3: Hela whole cell lysate (10ug)



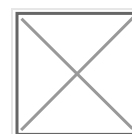
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using AAA114186 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA114186 at dilution 1:100



WB (Western Blot)

All lanes: Tyrosyl-DNA phosphodiesterase 1 antibody at 8ug/mL Lane 1: MCF-7 whole cell lysate Lane 2: mouse lung tissue Lane 3: rat brain tissue Secondary: Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 69,42 kDa Observed band size: 68 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TDP1 antibody	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.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	57242805
NCBI GeneID	55775
NCBI Accession #	NP_001008744.1
NCBI GenBank Nucleotide #	NM_001008744.1
UniProt Accession #	Q9NUW8; Q2HXX4; Q86TV8; Q96BK7; Q9NZM7; Q9NZM8
Molecular Weight	41,630 Da
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.