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Datasheet for ABIN7453800 **anti-TDP1 antibody (AA 1-50)**

Overview

Quantity:	20 µg
Target:	TDP1
Binding Specificity:	AA 1-50
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-TDP1 Antibody, Affinity Purified
Immunogen:	between AA 1 and 50
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	TDP1
Alternative Name:	TDP1 (TDP1 Products)
Background:	Background: Tyrosyl-DNA phosphodiesterase 1 (TDP1) is an enzyme that participates in the

Target Details

repair of DNA strand breaks associated with topoisomerase 1 (Top1) complexes. TDP1 catalyzes the removal of Top1 from DNA via the hydrolysis of the phosphodiester bond between the tyrosine residue of Top1 and the 3' phosphate of DNA. Removal of Top1 is then followed by DNA repair. TDP1 has been proposed to play more general roles in DNA damage repair independent of the Top1 complex. TDP1 has been shown to associate with DNA ligase IIIalpha, a component of the DNA single-stranded break repair (SSBR) machinery. It is also able to remove glycolate from 3'-phosphoglycolate termini of double-stranded breaks and a variety of other 3'- adducts. Defects in TDP1 are associated with spinocerebellar ataxia autosomal recessive with axonal neuropathy (SCAN1), a disease associated with peripheral axonal motor and sensory neuropathy and distal muscular atrophy.

Gene ID: 55775

NCBI Accession: [NP_001008744](#)

UniProt: [Q9NUW8](#)

Application Details

Application Notes: IHC: 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
IP: 2 - 5 µg/mg lysate
WB: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: Tris-buffered Saline containing 0.1 % BSA and 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Expiry Date: 12 months