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Datasheet for ABIN7452451
anti-TDP1 antibody (AA 75-125)

Overview

Quantity:	100 µg
Target:	TDP1
Binding Specificity:	AA 75-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDP1 antibody is un-conjugated
Application:	Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit anti-TDP1 Antibody, Affinity Purified
Immunogen:	between AA 75 and 125
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 repair of DNA strand breaks associated with topoisomerase 1 (Top1) complexes. TDP1

Target Details

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: IP: 2 - 5 µg/mg lysate
WB: Not recommended. Use rabbit anti-TDP1 antibody ABIN7453800.

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 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