

Datasheet for ABIN895800

anti-TDP2 antibody (AA 201-300) (AbBy Fluor® 350)



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Overview

Quantity:	100 µL
Target:	TDP2
Binding Specificity:	AA 201-300
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDP2 antibody is conjugated to AbBy Fluor® 350
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ETS1 associated protein II/EAPII
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TDP2
Alternative Name:	ETS1 associated protein 2 (TDP2 Products)

Target Details

Background: Synonyms: EAP 2, EAP II, EAP2, EAPII, ETS 1 associated protein 2, ETS 1 associated protein II, ETS1 associated protein 2, ETS1-associated protein 2, ETS1-associated protein II, tdp2, TRAF and TNF receptor associated protein, TRAF and TNF receptor-associated protein, TTRAP, TYDP2_HUMAN, Tyr DNA phosphodiesterase 2, Tyr-DNA phosphodiesterase 2, Tyrosyl DNA phosphodiesterase 2, Tyrosyl-DNA phosphodiesterase 2, 5"-Tyr-DNA phosphodiesterase, 5"-tyrosyl-DNA phosphodiesterase, AD 022, AD022, MGC111021, MGC9099.

Background: DNA repair enzyme that can remove a variety of covalent adducts from DNA through hydrolysis of a 5'-phosphodiester bond, giving rise to DNA with a free 5' phosphate. Catalyzes the hydrolysis of dead-end complexes between DNA and the topoisomerase 2 (TOP2) active site tyrosine residue. Hydrolyzes 5'-phosphoglycolates on protruding 5' ends on DNA double-strand breaks (DSBs) due to DNA damage by radiation and free radicals. The 5'-tyrosyl DNA phosphodiesterase activity can enable the repair of TOP2-induced DSBs without the need for nuclease activity, creating a 'clean' DSB with 5'-phosphate termini that are ready for ligation. Has also 3'-tyrosyl DNA phosphodiesterase activity, but less efficiently and much slower than TDP1. May also act as a negative regulator of ETS1 and may inhibit nuclear factor-kappa-B activation.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months