Datasheet for ABIN755784

anti-TDP2 antibody (AA 201-300) (Biotin)

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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 Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
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 for 12 months.
Expiry Date:	12 months