

**DATASHEET**
**TDP2 Rabbit Polyclonal Antibody**
**CAT. NO. APA17083**
**KEY FEATURES**

Target	TDP2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**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. The 5'-tyrosyl DNA phosphodiesterase activity can enable the repair of TOP2-induced DNA double-strand breaks/DSBs without the need for nuclease activity, creating a 'clean' DSB with 5'-phosphate termini that are ready for ligation active site tyrosine residue. The 5'-tyrosyl DNA phosphodiesterase activity can enable the repair of TOP2-induced DNA double-strand breaks/DSBs without the need for nuclease activity, creating a 'clean' DSB with 5'-phosphate termini that are ready for ligation .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

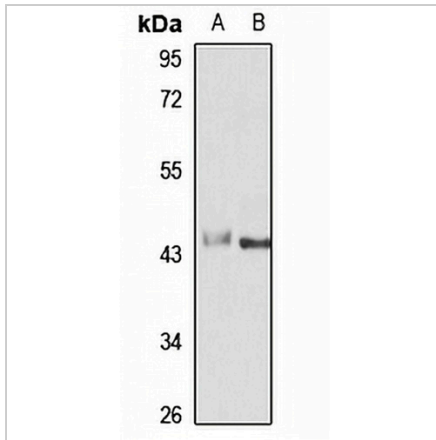
Description	Rabbit polyclonal antibody to TDP2
Specificity	Recognizes endogenous levels of TDP2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human TDP2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 32; Observed: 41 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	EAP2; TTRAP; Tyrosyl-DNA phosphodiesterase 2; Tyr-DNA phosphodiesterase 2; hTDP2; 5'-tyrosyl-DNA phosphodiesterase; 5'-Tyr-DNA phosphodiesterase; ETS1-associated protein 2; ETS1-associated protein II; EAPII; TRAF and TNF receptor-associated protein; Tyrosyl-RNA phosphodiesterase; VPg unlinkase
Gene Symbol	TDP2
Entrez Gene	51567(Human); 56196(Mouse); 498749(Rat)
SwissProt	O95551(Human); Q9JJX7(Mouse); Q3T1H5(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of TDP2 expression in HeLa (A), mouse brain (B) whole cell lysates.  
(Predicted band size: 32; 40; 44 kD; Observed band size: 41 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.