

## ARG44330 anti-TDP2 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TDP2
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TDP2
Species	Human
Immunogen	Synthetic peptide
Conjugation	Un-conjugated
Alternate Names	TDP2; Tyrosyl-DNA Phosphodiesterase 2; TTRAP; TRAF And TNF Receptor-Associated Protein; 5'-Tyrosyl-DNA Phosphodiesterase; Tyrosyl-RNA Phosphodiesterase; 5'-Tyr-DNA Phosphodiesterase; Tyr-DNA Phosphodiesterase 2; ETS1-Associated Protein II; ETS1-Associated Protein 2; VPg Unlinkase; EAPII; HTDP2; EAP2; Epididymis Secretory Sperm Binding Protein; TRAF And TNF Receptor Associated Protein

### Application Instructions

Application table	Application	Dilution
	WB	1:500-1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Antigen Affinity Purified
Buffer	PBS with 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	TDP2
Gene Full Name	Tyrosyl-DNA Phosphodiesterase 2
Background	This gene encodes a member of a superfamily of divalent cation-dependent phosphodiesterases. The encoded protein associates with CD40, tumor necrosis factor (TNF) receptor-75 and TNF receptor associated factors (TRAFs), and inhibits nuclear factor-kappa-B activation. This protein has sequence and structural similarities with APE1 endonuclease, which is involved in both DNA repair and the activation of transcription factors.
Function	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.
Calculated Mw	41 kDa
PTM	Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation
Cellular Localization	Cytoplasm, Nucleus