

Datasheet for ABIN7174129
anti-TDP1 antibody (AA 1-260)

3 Images

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Overview

Quantity:	100 µL
Target:	TDP1
Binding Specificity:	AA 1-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Tyrosyl-DNA phosphodiesterase 1 protein (1-260AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antigen Affinity Purified

Target Details

Target:	TDP1
Alternative Name:	TDP1 (TDP1 Products)
Background:	Background: DNA repair enzyme that can remove a variety of covalent adducts from DNA through hydrolysis of a 3'\\'-phosphodiester bond, giving rise to DNA with a free 3'\\'

Target Details

phosphate. Catalyzes the hydrolysis of dead-end complexes between DNA and the topoisomerase I active site tyrosine residue. Hydrolyzes 3'-phosphoglycolates on protruding 3' ends on DNA double-strand breaks due to DNA damage by radiation and free radicals. Acts on blunt-ended double-strand DNA breaks and on single-stranded DNA. Has low 3' exonuclease activity and can remove a single nucleoside from the 3' end of DNA and RNA molecules with 3' hydroxyl groups. Has no exonuclease activity towards DNA or RNA with a 3' phosphate.

Aliases: A1838772 antibody, AW493413 antibody, FLJ11090 antibody, MGC104252 antibody, MGC112732 antibody, RP24-311F12.2 antibody, SCAN1 antibody, TDP1 antibody, TYDP antibody, TYDP1_HUMAN antibody, Tyr-DNA phosphodiesterase 1 antibody, Tyrosyl-DNA phosphodiesterase 1 antibody

UniProt: [Q9NUW8](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:2000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

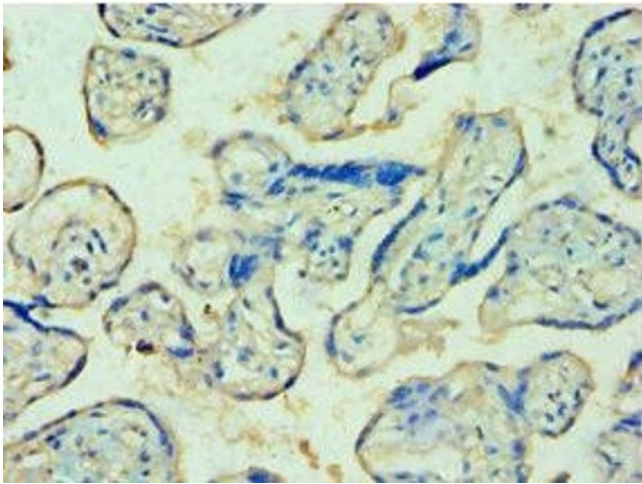
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

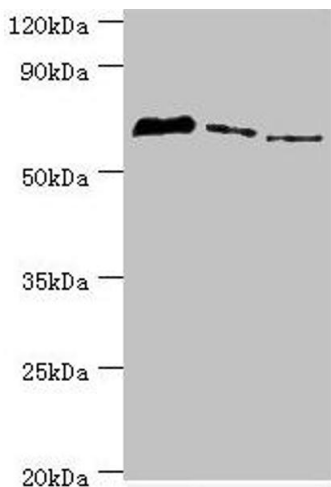
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



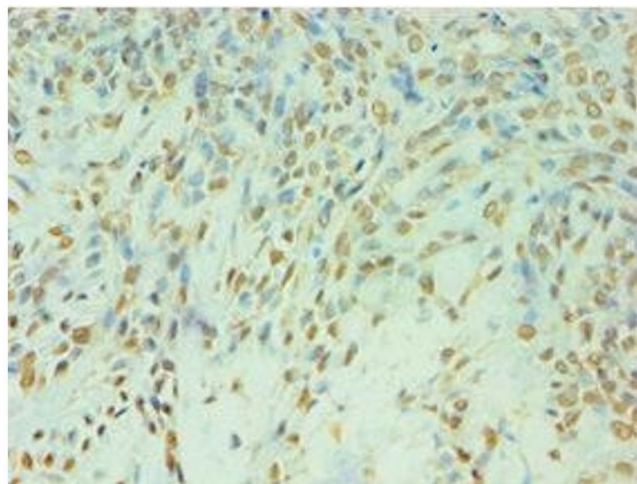
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7174129 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Tyrosyl-DNA phosphodiesterase 1 antibody at 8 µg/mL Lane 1: MCF-7 whole cell lysate Lane 2: Mouse lung tissue Lane 3: Rat brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 69, 42 kDa Observed band size: 69 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7174129 at dilution of 1:100