

Product datasheet for **TA387139**

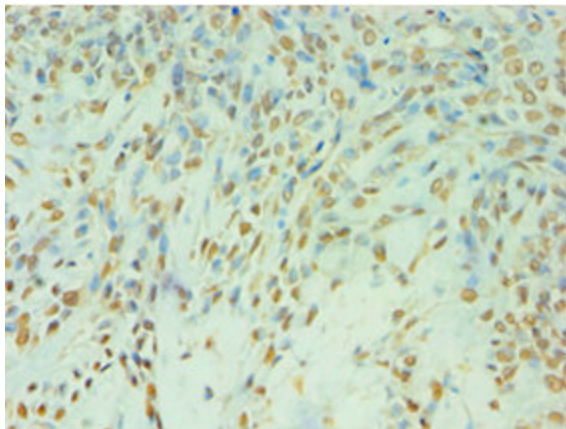
TDP1 Rabbit Polyclonal Antibody

Product data:

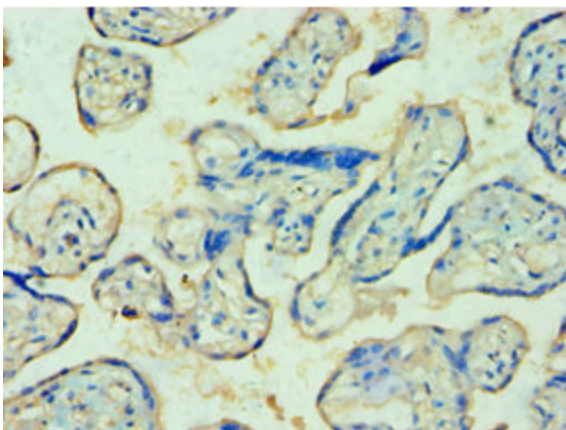
Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Recommended dilution: WB:1:200-1:2000, IHC:1:20-1:200, IP:1:200-1:2000
Reactivity:	Mouse, Rat, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human Tyrosyl-DNA phosphodiesterase 1 protein (1-260AA)
Formulation:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	Q9NUW8
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' 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.



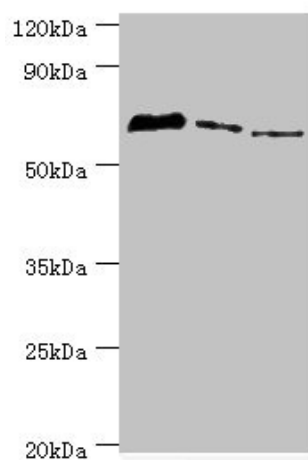
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Product images:

Immunohistochemistry of paraffin-embedded human breast cancer using TA387139 at dilution of 1:100



Immunohistochemistry of paraffin-embedded human placenta tissue using TA387139 at dilution of 1:100

**Western blot**

All lanes: Tyrosyl-DNA phosphodiesterase 1 antibody at 8 μ g/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