

Datasheet for ABIN2787112
anti-TDP1 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	TDP1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Cow, Guinea Pig, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Mouse
Sequence:	ETNVYLIGST PGRFQGSHRD NWGHFRLRKL LQAHAPSTPK GECWPIVGQF
Predicted Reactivity:	Cow: 92%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against Tdp1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	TDP1
Alternative Name:	Tdp1 (TDP1 Products)

Target Details

Background:	<p>Tdp1 is a 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. It catalyzes the hydrolysis of dead-end complexes between DNA and the topoisomerase I active site tyrosine residue. It hydrolyzes 3'-phosphoglycolates on protruding 3' ends on DNA double-strand breaks due to DNA damage by radiation and free radicals. It acts on blunt-ended double-strand DNA breaks and on single-stranded DNA. It has low 3'exonuclease activity and can remove a single nucleoside from the 3'end of DNA and RNA molecules with 3'hydroxyl groups. It has no exonuclease activity towards DNA or RNA with a 3'phosphate.</p> <p>Alias Symbols: 2810481F14Rik, 4921509N21Rik, AI838772, AW493413, E430034L06Rik, SCAN1, MLZ-501</p> <p>Protein Size: 579</p>
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Molecular Weight:	64 kDa
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Gene ID:	104884
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NCBI Accession:	NM_028354 , NP_082630
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 579 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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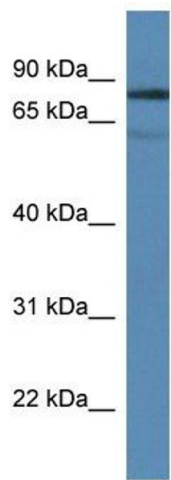
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-20 °C
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Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
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aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-Tdp1 Antibody Titration: 1.0 ug/ml Positive Control: Mouse Brain