

Datasheet for ABIN2787113
anti-TDP1 antibody (C-Term)



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1 Image

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of mouse TDP1
Sequence:	GRPPGKSAVP LHLYPSVEN VRTSLEGYP A GGSLPYSIQT AEKQRWLHSY
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 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>The protein encoded by this gene is involved in repairing stalled topoisomerase I-DNA complexes by catalyzing the hydrolysis of the phosphodiester bond between the tyrosine residue of topoisomerase I and the 3-prime phosphate of DNA. This protein may also remove glycolate from single-stranded DNA containing 3-prime phosphoglycolate, suggesting a role in repair of free-radical mediated DNA double-strand breaks. This gene is a member of the phospholipase D family and contains two PLD phosphodiesterase domains. Mutations in this gene are associated with the disease spinocerebellar ataxia with axonal neuropathy (SCAN1). While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same isoform.</p> <p>Protein Size: 609</p>
Molecular Weight:	66 kDa
Gene ID:	55775
NCBI Accession:	NM_001008744 , NP_001008744
UniProt:	Q9NUW8

Application Details

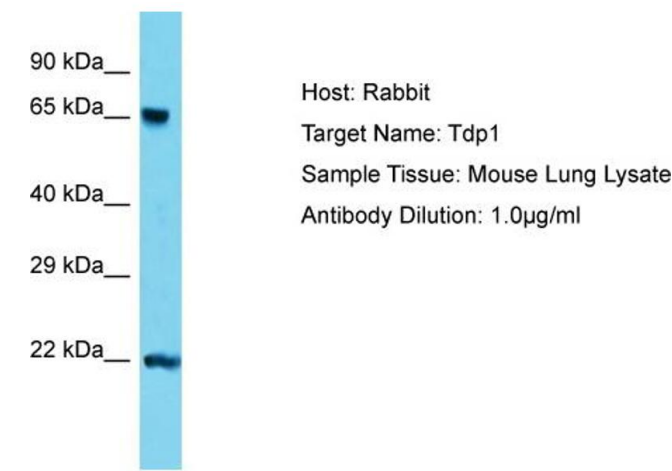
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
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

aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: Tdp1 Sample Type: Mouse Lung lysates Antibody Dilution: 1.0ug/ml