

Datasheet for ABIN453412
anti-TDG antibody (N-Term)



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1 Image

Overview

Quantity:	0.4 mL
Target:	TDG
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the N-terminal region of human TDG
Specificity:	This antibody reacts to TDG.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation

Target Details

Target:	TDG
Alternative Name:	TDG (TDG Products)
Background:	The protein TDG belongs to the TDG/mug DNA glycosylase family. Thymine-DNA glycosylase (TDG) removes thymine moieties from G/T mismatches by hydrolyzing the carbon-nitrogen bond between the sugar-phosphate backbone of DNA and the mispaired thymine. With lower activity, this enzyme also removes thymine from C/T and T/T mispairings. TDG can also remove uracil and 5-bromouracil from mispairings with guanine. This enzyme plays a central

Target Details

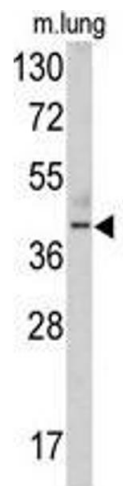
	role in cellular defense against genetic mutation caused by the spontaneous deamination of 5-methylcytosine and cytosine.Synonyms: G/T mismatch-specific thymine DNA glycosylase
Gene ID:	6996
NCBI Accession:	NP_003202
UniProt:	Q13569
Pathways:	DNA Damage Repair , Chromatin Binding

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
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 repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of TDG antibody (N-term) in mouse lung tissue lysates (35ug/lane). TDG (arrow) was detected using the purified Pab.