

Datasheet for ABIN6972851
anti-TDG antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	TDG
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This antibody was raised against a full-length recombinant protein corresponding to mouse thymine DNA glycosylase (TDG).
Isotype:	IgG
Characteristics:	<p>In the DNA of higher eukaryotes, hydrolytic deamination of 5-methylcytosine to thymine leads to the formation of G/T mismatches. In addition, TET proteins oxidize 5- methylcytosine (5mC) to 5-hydroxymethylcytosine (5hmC), 5- formylcytosine (5fC), and 5-carboxylcytosine (5caC).</p> <p>TDG / Thymine-DNA glycosylase functions to correct G/T mispairs to G/C pairs and plays a role in active DNA demethylation by recognizing 5fC and 5caC and converting these to cystosine through the base excision repair (BER) pathway. TDG / Thymine-DNA glycosylase antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Mouse samples.</p>
Purification:	Protein A Chromatography

Target Details

Target:	TDG
Alternative Name:	TDG / Thymine-DNA glycosylase (TDG Products)
Molecular Weight:	55 kDa
NCBI Accession:	NP_766140
Pathways:	DNA Damage Repair , Chromatin Binding

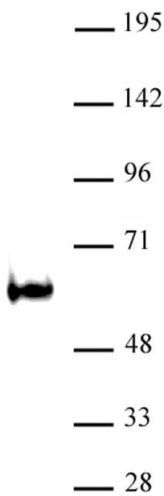
Application Details

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

Handling

Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % 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.
Storage:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.

Images



Western Blotting

Image 1. TDG / Thymine-DNA glycosylase antibody (pAb) tested by Western blot Nuclear extract of P19 cells (30 µg) probed with TDG / Thymine-DNA glycosylase antibody (1:500).