

Datasheet for ABIN7455026
anti-TDG antibody (AA 360-410)



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Overview

Quantity:	100 µg
Target:	TDG
Binding Specificity:	AA 360-410
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDG antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-TDG Antibody, Affinity Purified
Immunogen:	Between AA 360 and 410
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	TDG
Alternative Name:	TDG (TDG Products)
Background:	Background: Thymine-DNA glycosylase (TDG) removes thymine moieties from G/T

Target Details

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 role in cellular defense against genetic mutation caused by the spontaneous deamination of 5-methylcytosine and cytosine [taken from NCBI Entrez Gene (Gene ID: 6996)].

Gene ID:	6996
NCBI Accession:	NP_003202
UniProt:	Q13569
Pathways:	DNA Damage Repair , Chromatin Binding

Application Details

Application Notes:	IHC: 1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IP: 2 - 10 µg/mg lysate WB: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

Handling

Concentration:	1000 µg/mL
Buffer:	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % 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:	4 °C
Expiry Date:	12 months