

	<h1>TDG Polyclonal Antibody</h1>	E 9 1 3 3 6 5
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Swiss-Prot No.:	Q13569
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Immunogen:	Recombinant protein of human TDG (NP_003202.3).
Purification:	Affinity purification
Reactivity:	Human,Mouse,Rat
Other Names:	—
Background:	<p>The protein encoded by this gene 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 role in cellular defense against genetic mutation caused by the spontaneous deamination of 5-methylcytosine and cytosine. This gene may have a pseudogene in the p arm of chromosome 12.</p>
Gene ID:	6996
Source:	Rabbit
Antibody type:	Polyclonal Antibodies

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Isotype:	IgG
Molecular Weight:	46kDa
Recommended Dilutions:	WB 1:500 - 1:2000 IF 1:50 - 1:200