

DNAxPAb

Hard-to-Find
Antibody

TDG DNAxPab

Catalog # H00006996-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human TDG DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MEAENAGSYSLQQAQAFYTFPFQQLMAEAPNMAVVNEQQMPPEEVPAPAPAQEPVQEAPKGRK RKPRTTEPKQPVEPKKPVESKKSAGSKEKQEKITDTFKVKRKVDRFNGVSEAELLTKTLPDI LTFNLDVIIGINPGLMAAYKGHHYPGPGNHFWKCLFMSGLSEVQLNHMDHTLPGKYGIGFTNMV ERTTPGSKDLSSKEFREGGRILVQKLQKYQPRIAVFNGKCIEIFSKEVFGVKVKNLEFGLQPHKIP DTETLCYGMPSSSARCAQFPRAQDKVHYIKLKDRLDQLKGIERNMDVQEVQYTFDLQLAQEDA KKMAVKEEKYDPGYEAAYGAYGENPCSSPCGFSSNGLIESVELRGESAFSGIPNGQWMTQS FTDQIPSF SNHCGTQE QEEESHA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — TDG

Entrez GeneID [6996](#)

GeneBank Accession# [BC037557](#)

Protein Accession# [AAH37557.1](#)

Gene Name TDG

Gene Alias -

Gene Description thymine-DNA glycosylase

Omim ID [601423](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations G/T mismatch-specific thymine DNA glycosylase

Pathway

- [Base excision repair](#)

Disease

- [Breast cancer](#)
- [Carcinoma](#)
- [DNA Damage](#)

- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)