

Product datasheet for TA362806

OriGene Technologies, Inc.

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Thymine DNA glycosylase (TDG) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle region of human TDG

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 45 kDa

Gene Name: thymine DNA glycosylase

Database Link: NP 003202.3

Entrez Gene 6996 Human

Q13569



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Background: 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

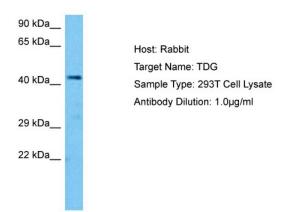
mispairings. TDG can also remove uracil and 5-bromouracil from mispairings with guanine. This enzyme plays a central role in cellular defense against genetic mutation caused by the spontaneous deamination of 5-methylcytosine and cytosine. This gene may have a

pseudogene in the p arm of chromosome 12.

Synonyms: E130317C12Rik; hTDG; JZA-3; Jza1; OTTMUSP00000028912; OTTMUSP00000028913

Protein Families: Druggable Genome
Protein Pathways: Base excision repair

Product images:



Host: Rabbit Target Name: TDG

Sample Tissue: Human 293T Whole Cell lysates

Antibody Dilution: 1ug/ml