

Rabbit anti-Human TDG Polyclonal Antibody | anti-TDG antibody

Rabbit anti-TDG Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212647	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

TDG; Polyclonal Antibody; Rabbit anti-TDG Antibody; Affinity Purified; G/T mismatch-specific thymine DNA glycosylase; hTDG; Thymine-DNA glycosylase; thymine DNA glycosylase; anti-TDG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-TDG antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 360 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



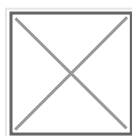
WB (Western Blot)

Detection of human TDG by western blot. Samples: Whole cell lysate (50 ug) prepared using NETN buffer from HeLa, HEK293T, and Jurkat cells. Antibodies: Affinity purified rabbit anti-TDG antibody AAA212647 (lot AAA212647-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



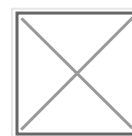
IP (Immunoprecipitation)

Detection of human TDG by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) prepared using NETN buffer from 293T cells. Antibodies: Affinity purified rabbit anti-TDG antibody AAA212647 (lot AAA212647-1) used for IP at 6 ug per reaction. TDG was also immunoprecipitated by rabbit anti-TDG antibody BL16331. For blotting immunoprecipitated TDG, AAA212647 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human TDG by immunohistochemistry. Sample: FFPE section of human lung cancer. Antibody: Affinity purified rabbit anti-TDG (Cat. No. AAA212647 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of human TDG by immunohistochemistry. Sample: FFPE section of human mammary glands. Antibody: Affinity purified rabbit anti-TDG (Cat. No. AAA212647 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-TDG antibody	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 [taken from NCBI Entrez Gene (Gene ID: 6996)].
Product Categories/Family for anti-TDG antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	59853162
NCBI GeneID	6996
NCBI Accession #	NP_003202.3
NCBI GenBank Nucleotide #	NM_003211.4
UniProt Accession #	Q13569; Q8IUZ6; Q8IZM3
Molecular Weight	46,053 Da
NCBI Official Full Name	G/T mismatch-specific thymine DNA glycosylase
NCBI Official Synonym Full Names	thymine-DNA glycosylase
NCBI Official Symbol	TDG
NCBI Official Synonym Symbols	hTDG
NCBI Protein Information	G/T mismatch-specific thymine DNA glycosylase
UniProt Protein Name	G/T mismatch-specific thymine DNA glycosylase
UniProt Gene Name	TDG
UniProt Synonym Gene Names	hTDG
UniProt Entry Name	TDG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tdg-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212647>