


### Anti-TDG antibody ab106301

★★★★★ [4 Abreviews](#) [1 References](#) [画像数 3](#)

#### 製品の概要

製品名	Anti-TDG antibody
製品の詳細	Rabbit polyclonal to TDG
由来種	Rabbit
特異性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Rabbit, Chicken, Chinese hamster 
免疫原	Synthetic peptide corresponding to Human TDG aa 250-350 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab124618</a> )
ポジティブ・コントロール	Recombinant Human TDG protein ( <a href="#">ab114876</a> ) can be used as a positive control in WB. This antibody gave a positive signal in the following whole cell lysates: HeLa; Jurkat; HEK293; A431; Hues7.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide

Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

**精製度**

Immunogen affinity purified

**ポリ/モノ**

ポリクローナル

**アイソタイプ**

IgG

**アプリケーション**

**The Abpromise guarantee**

Abpromise保証は、次のテスト済みアプリケーションにおけるab106301の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 46 kDa).
IP		Use a concentration of 5 µg/ml.

**ターゲット情報**

**機能**

In the DNA of higher eukaryotes, hydrolytic deamination of 5-methylcytosine to thymine leads to the formation of G/T mismatches. This enzyme corrects G/T mispairs to G/C pairs. It is capable of hydrolyzing the carbon-nitrogen bond between the sugar-phosphate backbone of the DNA and a mispaired thymine. In addition to the G/T, it can remove thymine also from C/T and T/T mispairs in the order G/T >> C/T > T/T. It has no detectable activity on apyrimidinic sites and does not catalyze the removal of thymine from A/T pairs or from single-stranded DNA. It can also remove uracil and 5-bromouracil from mispairs with guanine.

**配列類似性**

Belongs to the TDG/mug DNA glycosylase family.

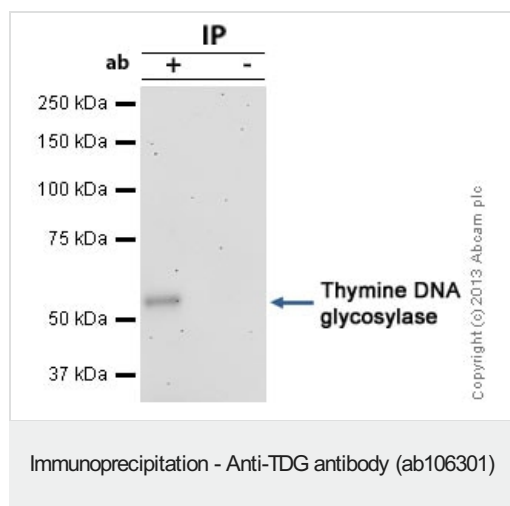
**翻訳後修飾**

Sumoylation on Lys-330 by either SUMO1 or SUMO2 induces dissociation of the product DNA.

**細胞内局在**

Nucleus.

**画像**



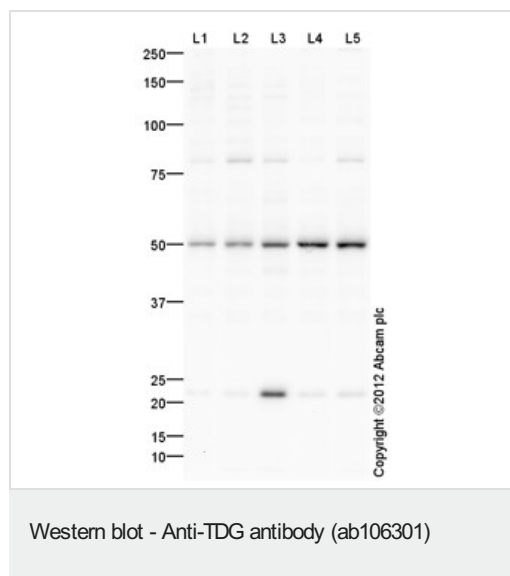
TDG was immunoprecipitated using 0.5mg A431 whole cell extract, 5µg of Rabbit polyclonal to TDG and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, A431 whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab106301.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) ([ab99697](#)).

Band: 50kDa; TDG



**All lanes** : Anti-TDG antibody (ab106301) at 1 µg/ml

**Lane 1** : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2** : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

**Lane 3** : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

**Lane 4** : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 5** : HUES7 (Human embryonic stem cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

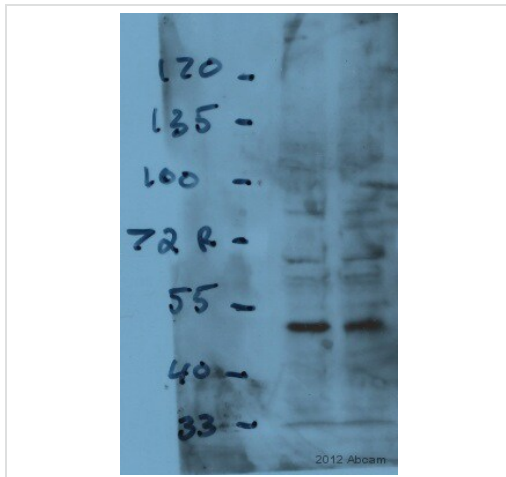
Performed under reducing conditions.

**Predicted band size:** 46 kDa

**Observed band size:** 50 kDa

**Additional bands at:** 22 kDa, 78 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 2 minutes



Western blot - Anti-TDG antibody (ab106301)

This image is courtesy of an anonymous Abreview

**All lanes :** Anti-TDG antibody (ab106301) at 1 µg/ml

**All lanes :** Mouse ES whole cell lysate

Lysates/proteins at 100 µg per lane.

**Secondary**

**All lanes :** HRP Goat anti-rabbit IgG polyclonal at 1/2000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 46 kDa

**Observed band size:** 50 kDa

**Exposure time:** 30 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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