

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-TDG



Numéro de catalogue: 13370-1-AP

Phare

6 Publications

Informations de base

Numéro de catalogue:

13370-1-AP

Taille:

150ul, Concentration: 200 µg/ml by Nanodrop and 160 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG4190

Numéro d'acquisition GenBank:

BC037557

Identification du gène (NCBI):

6996

Nom complet:

thymine-DNA glycosylase

MW calculé

410 aa, 46 kDa

MW observés:

55-60 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IF 1:50-1:500

Applications

Applications testées:

IF, IP, WB, ELISA

Demandes citées:

ChIP, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain

Contrôles positifs:

WB : tissu cérébral humain, cellules HeLa, cellules Raji, tissu de côlon de souris, tissu de thymus de souris

IP : cellules U-937,

IF : cellules HeLa,

Informations générales

TDG belongs to the TDG/mug DNA glycosylase family. TDG 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. RNF4 interacts with and requires the base excision repair enzymes TDG and APE1 for active demethylation (PMID:20696907). TDG is modified by SUMO-1 and SUMO-2/3. The molecular weight of non-modified TDG is 46 kDa and modified TDG is 55-60 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Jiyu Miao	35414793	Int J Biol Sci	WB
Umut Sahin	24637324	J Cell Biol	WB, IP
Etsuko Shibata	24962565	J Biol Chem	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

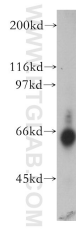
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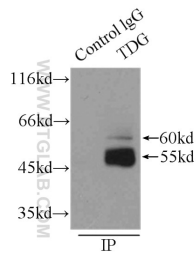
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

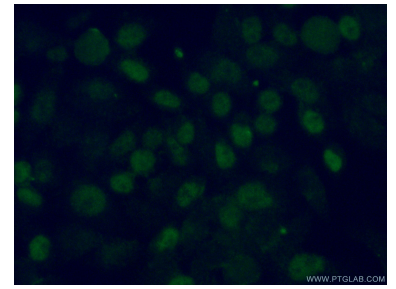
Données de validation sélectionnées



human brain tissue were subjected to SDS PAGE followed by western blot with 13370-1-AP (TDG antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



IP Result of anti-TDG (IP:13370-1-AP, 3ug; Detection:13370-1-AP 1:400) with U-937 cells lysate 3000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13370-1-AP (TDG antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).