Datasheet for ABIN7151635

anti-Nth Endonuclease III-Like 1 (NTHL1) (AA 31-312) antibody

3 Images

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Overview

Quantity:	100 µg
Target:	Nth Endonuclease III-Like 1 (NTHL1)
Binding Specificity:	AA 31-312
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Endonuclease III-like protein 1 protein (31-312AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	Nth Endonuclease III-Like 1 (NTHL1)
Alternative Name:	NTHL1 (NTHL1 Products)
Background:	Background: Bifunctional DNA N-glycosylase with associated apurinic/apyrimidinic (AP) lyase function that catalyzes the first step in base excision repair (BER), the primary repair pathway

Target Details

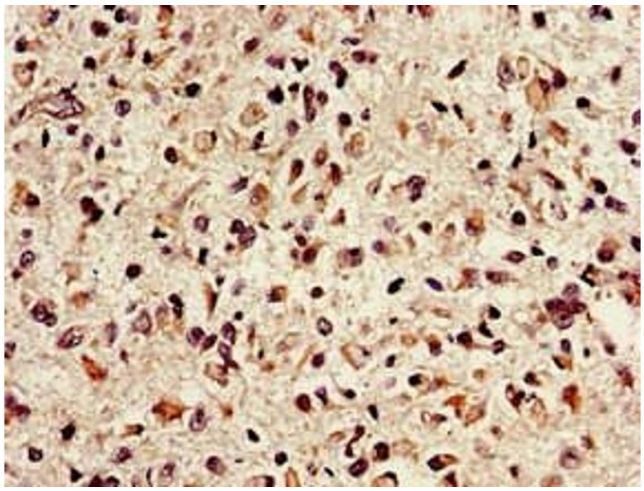
	for the repair of oxidative DNA damage. The DNA N-glycosylase activity releases the damaged DNA base from DNA by cleaving the N-glycosidic bond, leaving an AP site. The AP-lyase activity cleaves the phosphodiester bond 3\\\' to the AP site by a beta-elimination. Primarily recognizes and repairs oxidative base damage of pyrimidines. Has also 8-oxo-7,8-dihydroguanine (8-oxoG) DNA glycosylase activity. Acts preferentially on DNA damage opposite guanine residues in DNA. Is able to process lesions in nucleosomes without requiring or inducing nucleosome disruption. Aliases: Bifunctional DNA N glycoslyase/DNA (apurinic or apyrimidinic site) lyase antibody, DNA glycoslyase/AP lyase antibody, Endonuclease III like protein 1 antibody, Endonuclease III-like protein 1 antibody, hNTH1 antibody, NTH 1 antibody, nth endonuclease III like 1 (E. coli) antibody, NTH endonuclease III Like 1 antibody, NTH1 antibody, NTHL 1 antibody, Nthl1 antibody, NTHL1_HUMAN antibody, OCTS 3 antibody, OCTS3 antibody
UniProt:	P78549

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,
Restrictions:	For Research Use only

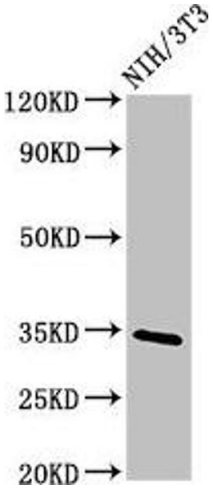
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



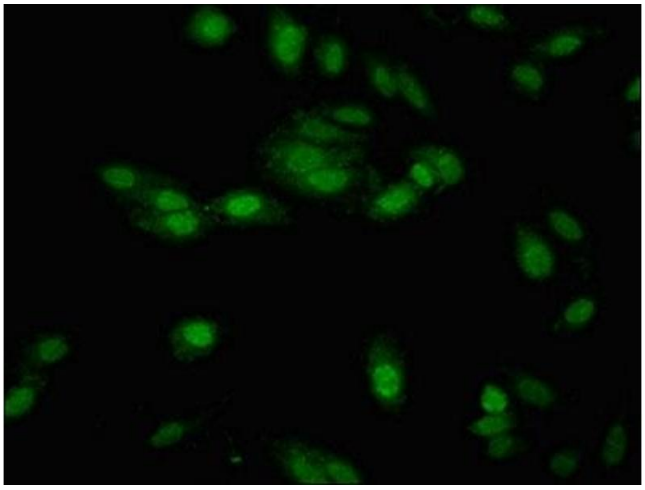
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human glioma using ABIN7151635 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: NIH/3T3 whole cell lysate All lanes: NTHL1 antibody at 4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 35, 34, 33 kDa Observed band size: 35 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of Hela cells using ABIN7151635 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

