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Datasheet for ABIN7151636

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

Overview

Quantity:	100 µg
Target:	Nth Endonuclease III-Like 1 (NTHL1)
Binding Specificity:	AA 31-312
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Endonuclease III-like protein 1 protein (31-312AA)
Isotype:	IgG
Cross-Reactivity:	Human
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 glycosylase/DNA (apurinic or apyrimidinic site) lyase antibody, DNA glycosylase/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: Optimal working dilution should be determined by the investigator.

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.