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anti-Nth Endonuclease III-Like 1 (NTHL1) antibody



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Quantity:	100 μg
Target:	Nth Endonuclease III-Like 1 (NTHL1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	nth endonuclease III-like 1(E. coli)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

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Target:	Nth Endonuclease III-Like 1 (NTHL1)
Alternative Name:	NTHL1 (NTHL1 Products)
Background:	Synonyms:NTH1, OCTS3 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 for the repair of oxidative DNA damage. The DNA N-
	glycosylase activity releases the damaged DNA base from DNA by cleaving the N-glycosidic

Target Details

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.

Molecular Weight: 34 kDa

Gene ID: 4913

UniProt: P78549

Application Details

Application Notes: WB: 1:500-1:2000, IHC: 1:20-1:200

Restrictions: For Research Use only

Handling

Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)	
Expiry Date:	12 months	