

NTH1 Rabbit mAb
Catalog # AP75824**Specification**

NTH1 Rabbit mAb - Product Information

Application	WB, ICC
Primary Accession	P78549
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	33570

NTH1 Rabbit mAb - Additional Information**Gene ID** 4913**Other Names**
NTHL1**Dilution**
WB~~1/500-1/1000
ICC~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**NTH1 Rabbit mAb - Protein Information****Name** NTHL1 {ECO:0000255|HAMAP-Rule:MF_03183}**Synonyms** NTH1, OCTS3**Function**

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 (PubMed:<[a href="http://www.uniprot.org/citations/29610152" target="_blank">29610152](http://www.uniprot.org/citations/29610152), PubMed:<[a href="http://www.uniprot.org/citations/9927729" target="_blank">9927729](http://www.uniprot.org/citations/9927729)). 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. Also has 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.

Cellular Location

Nucleus {ECO:0000255|HAMAP-Rule:MF_03183, ECO:0000269|PubMed:10882850, ECO:0000269|PubMed:12531031, ECO:0000269|PubMed:9611236}. Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03183, ECO:0000269|PubMed:9611236}

Tissue Location

Widely expressed with highest levels in heart and lowest levels in lung and liver.

NTH1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NTH1 Rabbit mAb - Images



