

**NTH1 Rabbit mAb**  
**Catalog # AP75824****Specification**

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**NTH1 Rabbit mAb - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, ICC                |
| Primary Accession | <a href="#">P78549</a> |
| 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**  
Liquid**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</a>, PubMed:<a href="http://www.uniprot.org/citations/9927729" target="\_blank">9927729</a>). 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**

