

## NTH1 monoclonal antibody

Catalog: MB11325

Host: Rabbit

Reactivity: Human

### BackGround:

Bifunctional DNA N-glycosylase with associated apurinic/aprimidinic (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 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.

### Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

### Molecular Weight:

Calculated MW: 34 kDa; Observed MW: 34 kDa

### Swiss-Prot:

P78549

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000 IF: 1/50-1/200

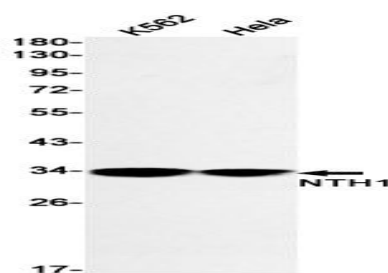
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:



Immunocytochemistry analysis of NTH1 in HeLa using NTH1 antibody, and DAPI.

Western blot analysis of NTH1 in K562, HeLa lysates using NTH1 antibody.

### Note:

For research use only, not for use in diagnostic procedure.

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