

Product Name: KD-Validated NTH1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00491**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 34.4kDa

Antigen Information

Gene Name	NTHL1 NTHL1; Nth Like DNA Glycosylase 1; OCTS3; NTH1; Bifunctional DNA N-Glycosylase/DNA-(Apurinic Or Apyrimidinic Site) Lyase; Endonuclease III-Like Protein 1; DNA Glycosylase/AP
Alternative Names	Lyase; HNTH1; Bifunctional DNA N-Glycosylase/DNA-(Apurinic Or Apyrimidinic Site) Lyase; Nth Endonuclease III-Like 1 (E. Coli); Nth (E.Coli Endonuclease III)-Like 1; Nth Endonuclease III-Like 1; DNA Glycosylase/AP Lyase; EC 4.2.99.18; EC 3.2.2.-;FAP3
Gene ID	4913.0
SwissProt ID	P78549
Immunogen	Recombinant protein of human NTH1

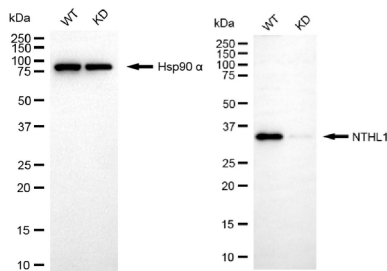
Background

The protein encoded by this gene is a DNA N-glycosylase of the endonuclease III family. Like a similar protein in *E. coli*, the encoded protein has DNA glycosylase activity on DNA substrates containing oxidized pyrimidine residues and has apurinic/apyrimidinic lyase activity. [provided by RefSeq, Oct 2008]

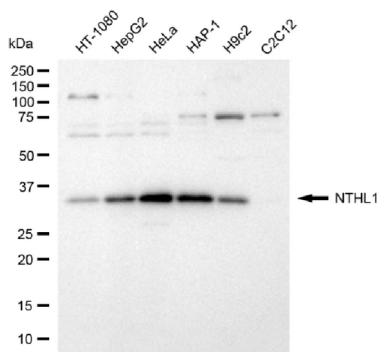
Research Area

Epigenetics and Nuclear Signaling

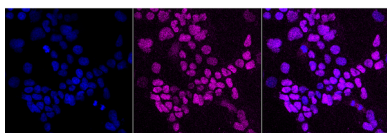
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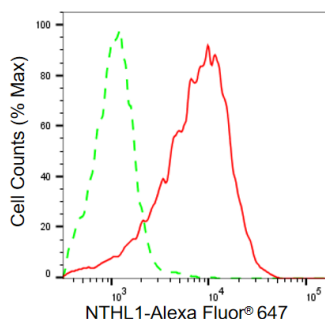
Western blotting analysis using NTHL1 antibody (KVA00491). NTHL1 expression in wild-type (WT) and NTHL1 knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NTHL1 antibody (KVA00491, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NTHL1 antibody (KVA00491). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NTHL1 antibody (KVA00491, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with NTHL1 antibody (KVA00491, 1:1,000). Nuclei were stained blue with DAPI; NTHL1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain:Low. Scale bar, 20 µm.



Flow cytometric analysis of NTHL1 expression in HAP-1 cells using NTHL1 antibody (KVA00491, 1:2,000). Green, isotype control; red, NTHL1.