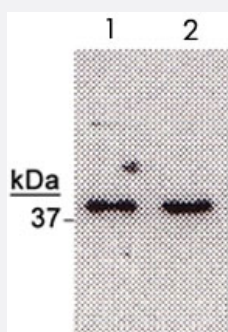


NTHL1 polyclonal antibody

Catalog # PAB12089 Size 200 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of NTHL1 in HeLa (Lane2) and K-562 (Lane1) cell extracts with NTHL1 polyclonal antibody (Cat # PAB12089). Western blot data courtesy of Mark Kelly, Indiana Univ.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NTHL1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human NTHL1.
Host	Rabbit
Reactivity	Bovine, Human, Rat
Specificity	This antibody is specific to NTH1.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunocytochemistry (1:800) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of NTHL1 in HeLa (Lane2) and K-562 (Lane1) cell extracts with NTHL1 polyclonal antibody (Cat # PAB12089). Western blot data courtesy of Mark Kelly, Indiana Univ.

- Immunocytochemistry

Gene Info — NTHL1

Entrez GeneID	4913
---------------	----------------------

Gene Name	NTHL1
-----------	-------

Gene Alias	NTH1, OCTS3
------------	-------------

Gene Description	nth endonuclease III-like 1 (E. coli)
------------------	---------------------------------------

Omim ID	602656
---------	------------------------

Gene Ontology	Hyperlink
---------------	---------------------------

Gene Summary	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]
--------------	--

Other Designations	OTTHUMP00000158939 nth endonuclease III-like 1
--------------------	--

Publication Reference

- [p21\(Cip1/WAF1/Sdi1\) does not affect expression of base excision DNA repair enzymes during chronic oxidative stress.](#)

O'reilly MA, Vitiello PF, Gehen SC, Staversky RJ.

Antioxidants & Redox Signaling 2005 May; 7(5-6):719.

Application: WB, Human, Mouse, H1299 cells, Mouse lungs

- [Cloning and characterization of a mouse homologue \(mNthl1\) of Escherichia coli endonuclease III.](#)

Sarker AH, Ikeda S, Nakano H, Terato H, Ide H, Imai K, Akiyama K, Tsutsui K, Bo Z, Kubo K, Yamamoto K, Yasui A, Yoshida MC, Seki S.

Journal of Molecular Biology 1998 Oct; 282(4):761.

- [Mitochondrial targeting of human DNA glycosylases for repair of oxidative DNA damage.](#)

Takao M, Aburatani H, Kobayashi K, Yasui A.

Nucleic Acids Research 1998 Jun; 26(12):2917.

Pathway

- [Base excision repair](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Colon cancer](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Intestinal Neoplasms](#)
- [Multiple Sclerosis](#)
- [Stomach Neoplasms](#)