

For Research Use Only

# NTHL1 Polyclonal antibody

Catalog Number: 11154-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 11154-1-AP	<b>GenBank Accession Number:</b> BC003014	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4913	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>Full Name:</b> nth endonuclease III-like 1 (E. coli)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 34 aa, 3 kDa	
<b>Immunogen Catalog Number:</b> AG1631	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, human brain tissue, HeLa cells, K-562 cells, rat brain tissue
<b>Cited Applications:</b> IP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat	

## Background Information

NTHL1, also named as Endonuclease III-like protein 1 or OCTS3, is a 312 amino acid protein, which belongs to the Nth/MutY family. NTHL1 localizes in the nucleus and is widely expressed with highest levels in heart and lowest levels in lung and liver. NTHL1 has both an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity and incises damaged DNA at cytosines, thymines and guanines. NTHL1 acts on a damaged strand, 5' from the damaged site and is required for the repair of both oxidative DNA damage and spontaneous mutagenic lesions.

## Notable Publications

Author	Pubmed ID	Journal	Application
Elise Vickridge	36186110	NAR Cancer	WB,IP
Kremer Ted M TM	15450125	Respir Res	WB
Catherine E Aiken	30888848	FASEB J	WB

## Storage

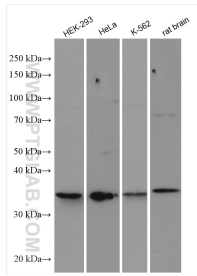
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11154-1-AP (NTHL1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.