

For Research Use Only

NTHL1 Polyclonal antibody

Catalog Number: 14918-1-AP **1 Publications**



Basic Information

Catalog Number: 14918-1-AP	GenBank Accession Number: BC000391	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop;	GeneID (NCBI): 4913	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: nth endonuclease III-like 1 (E. coli)	
Isotype: IgG	Calculated MW: 34 kDa	
Immunogen Catalog Number: AG6734	Observed MW: 34 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, Y79 cells, HeLa cells, K-562 cells IP : Y79 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	

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
Shangming Tang	35477155	Nature	WB

Storage

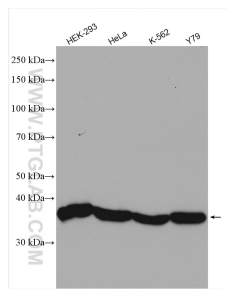
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

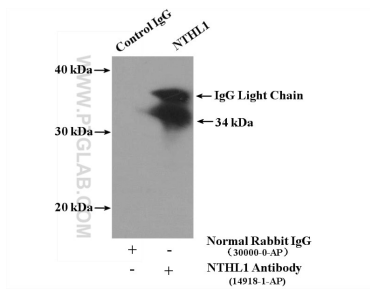
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 14918-1-AP (NTHL1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-NTHL1 (IP:14918-1-AP, 4ug; Detection:14918-1-AP 1:500) with Y79 cells lysate 2000ug.