

For Research Use Only

NTHL1 Polyclonal antibody

Catalog Number: 11154-1-AP

4 Publications



Basic Information

Catalog Number:

11154-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1631

GenBank Accession Number:

BC003014

GeneID (NCBI):

4913

UNIPROT ID:

P78549

Full Name:

nth endonuclease III-like 1 (E. coli)

Calculated MW:

34 aa, 3 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Positive Controls:

WB : HEK-293 cells, human brain tissue, HeLa cells, K-562 cells, rat brain tissue

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

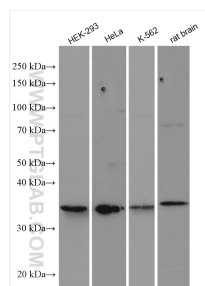
For technical support and original validation data for this product please contact:

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.