

Product datasheet

Anti-NTH1 antibody [2660C1 α] ab70726

★★★★★ [4 Abreviews](#) [2 References](#) [2 Images](#)

Overview

Product name	Anti-NTH1 antibody [2660C1a]
Description	Mouse monoclonal [2660C1a] to NTH1
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant N-terminal fragment of human NTH1
Positive control	Recombinant human NTH1. Whole cell lysates from human HEK293, mouse NIH3T3 and rat F2408 cells.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 1% BSA, PBS
Purity	Protein G purified
Purification notes	ab70726 was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum and filtered through a 0.22 μ m membrane.
Clonality	Monoclonal
Clone number	2660C1a
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70726 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (3)	Use a concentration of 0.2 - 2 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 34 kDa).

Target

Function

Has both an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. Incises damaged DNA at cytosines, thymines and guanines. Acts on a damaged strand, 5' from the damaged site. Required for the repair of both oxidative DNA damage and spontaneous mutagenic lesions.

Tissue specificity

Widely expressed with highest levels in heart and lowest levels in lung and liver.

Sequence similarities

Belongs to the Nth/MutY family.

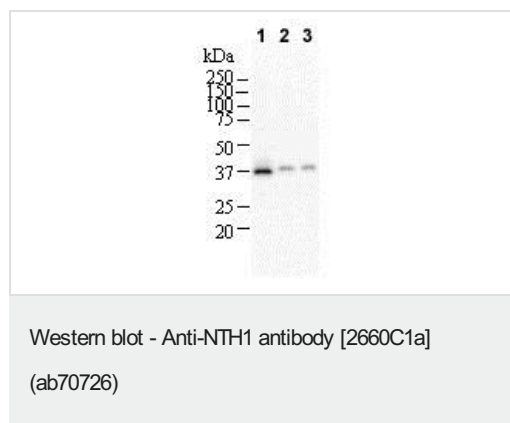
Developmental stage

Expression levels are regulated during the cell cycle with increased levels during early and mid S-phase.

Cellular localization

Nucleus.

Images



All lanes : Anti-NTH1 antibody [2660C1a] (ab70726) at 0.2 µg/ml

Lane 1 : Whole cell lysate from human HEK293 cells

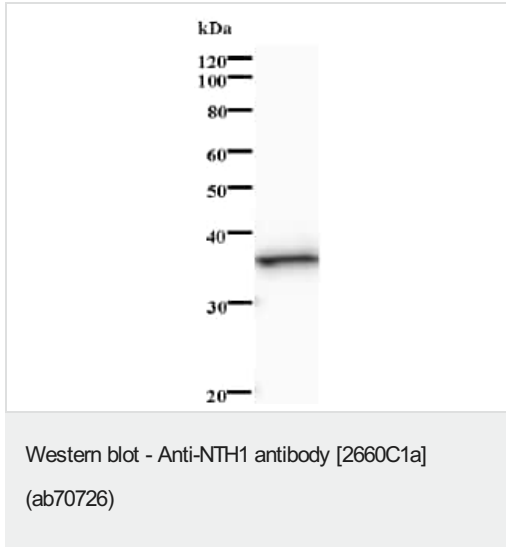
Lane 2 : Whole cell lysate from mouse NIH3T3 cells

Lane 3 : Whole cell lysate from rat F2408 cells

Lysates/proteins at 25 µg per lane.

Predicted band size: 34 kDa

Observed band size: 37 kDa



Anti-NTH1 antibody [2660C1a] (ab70726) at 0.2 µg/ml +
immunised recombinant human NTH1 protein

Predicted band size: 34 kDa

Observed band size: 35 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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