MTH1 Rabbit mAb

Catalog No: #59979

Package Size: #59979-1 50ul #59979-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MTH1 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human
Specificity	MTH1 Antibody detects endogenous levels of total MTH1
Immunogen Description	A synthesized peptide derived from human MTH1
Other Names	MTH1; NUDT 1;
Accession No.	Uniprot:P36639
Calculated MW	Predicted band size: 18 kDa
SDS-PAGE MW	Observed band size: 18 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

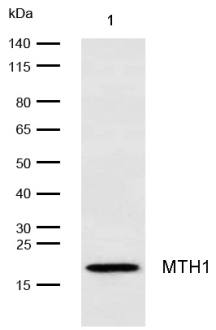
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



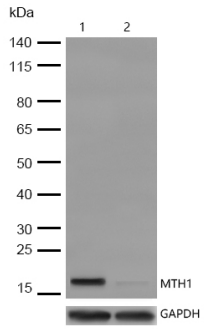
All lanes: MTH1 Rabbit mAb at 1/1k dilution

Lane 1 : JK whole cell lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 18 kDa
Observed band size: 18 kDa

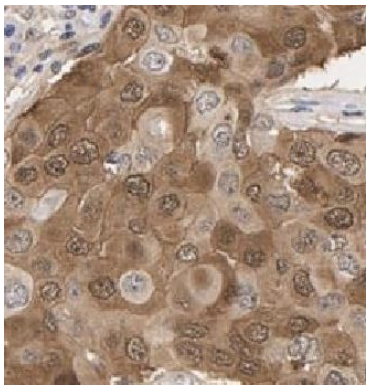
Exposure time: 7 seconds



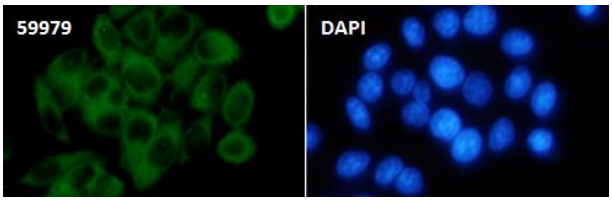
All lanes:MTH1 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type Hela cell lysate
Lane 2 :MTH1 Rabbit mAb knockdown Hela cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human breast cancer tissue stained for MTH1 using 59979 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence MTH1 antibody (59979) ICC/IF staining of MTH1 in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 59979 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.

Background

Antimutagenic. Acts as a sanitizing enzyme for oxidized nucleotide pools, thus suppressing cell dysfunction and death induced by oxidative stress. Hydrolyzes 8-oxo-dGTP, 8-oxo-dATP and 2-OH-dATP, thus preventing misincorporation of oxidized purine nucleoside triphosphates into DNA and subsequently preventing A:T to C:G and G:C to T:A transversions.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.