

NUDT1 Polyclonal Antibody

Catalog No: #27981



Package Size: #27981-1 50ul #27981-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

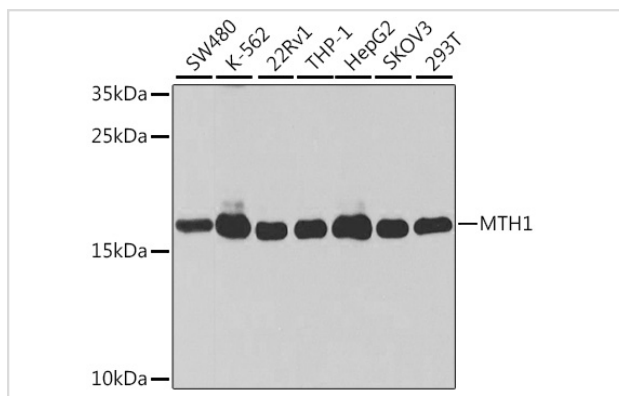
Description

Product Name	NUDT1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human MTH1 (NP_945192.1).
Other Names	NUDT1;MTH1
Accession No.	Uniprot:P36639GeneID:4521
Calculated MW	18kDa
SDS-PAGE MW	18kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using MTH1 antibody.

Background

Misincorporation of oxidized nucleoside triphosphates into DNA/RNA during replication and transcription can cause mutations that may result in carcinogenesis or neurodegeneration. The protein encoded by this gene is an enzyme that hydrolyzes oxidized purine nucleoside triphosphates, such as 8-oxo-dGTP, 8-oxo-dATP, 2-hydroxy-dATP, and 2-hydroxy rATP, to monophosphates, thereby preventing misincorporation. The encoded protein is localized mainly in the cytoplasm, with some in the mitochondria, suggesting that it is involved in the sanitization of nucleotide pools both for nuclear and mitochondrial genomes. Several alternatively spliced transcript variants, some of which encode distinct isoforms, have been identified. Additional variants have been observed, but their full-length natures have not been determined. A single-nucleotide polymorphism that results in the production of

an additional, longer isoform (p26) has been described.

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