

Recombinant

DGRmAb®

MTH1 (DGR13753) Rabbit mAb (PBS Only)

db14894-PBS

Package : 100µg

Product Name : MTH1 (DGR13753) Rabbit mAb (PBS Only)**Cat.No.:** db14894-PBS**Synonyms :** MTH1**Application :** WB, IHC, ICC/IF, FC**Reactivity :** Human**Host species :** Rabbit**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. [provided by RefSeq, Jul 2008]

Immunogen

Recombinant protein of human MTH1

Gene ID

4521

Swiss Prot

P36639

Synonyms

MTH1

Reactivity

Human

Application

WB, IHC, ICC/IF, FC

Recommended dilution

WB: 1:1000

IHC: 1:20

ICC/IF: 1:50

FC: 1:20

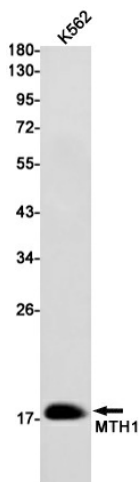
Calculated MW

23 kDa

Observed MW

18 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13753
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of MTH1 in K562 cell lysates using [db14894](#)(1:1000 diluted).