

Recombinant

DGRmAb®

MTH1 (DGR19178) Rabbit mAb

db13848

Package : 10µL 20µL 50µL 100µL

Product Name : MTH1 (DGR19178) Rabbit mAb**Cat.No.:** db13848**Synonyms :** MTH1**Application :** WB, IHC-P, ICC/IF, FC, IP**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-P, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:50

ICC/IF: 1:200-1:500

FC: 1:100

IP: 1:50

Calculated MW

23 kDa

Observed MW	18 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19178
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.
	<ul style="list-style-type: none">□ Western blot detection of MTH1 in K562, Hela cell lysates using MTH1 antibody(1:1000 diluted).□ Immunofluorescent analysis of HeLa cells using db13848 antibody (green), and DAPI (blue).