MTH1 Rabbit Monoclonal Antibody

CAB3938

Product Information

Product SKU:	CAB3938	**Gene ID**:	4521	**Size**:	20uL, 100uL
Clone No:	ARC0869	**Host Species:**	Rabbit	**Reactivity**:	Human

Additional Information

Observed MW:	18kDa	**Conjugate:**	Unconjugated
Calculated MW:	18kDa	**Isotype:**	IgG

Immunogen Information

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 rare single-nucleotide polymorphism that results in the production of an additional, longer isoform (p26) has been described.
Recommended Dilution:	WB,1:500 - 1:1000
Synonyms:	MTH1
Purifcation Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 50-200 of human MTH1 (P36639).
Storage:	Store at -20℃. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

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