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Product datasheet for TA368993S

MPG Rabbit Polyclonal Antibody

Product data:

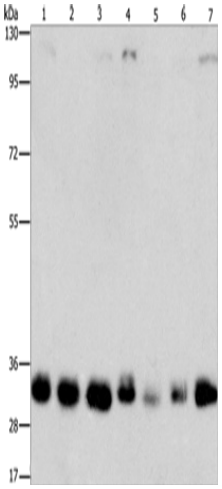
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1000-5000 WB positive control: 231, 293T, Lovo, hepG2, A549, PC3 and A172 cells
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MPG
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	32 kDa
Gene Name:	N-methylpurine DNA glycosylase
Database Link:	Entrez Gene 4350 Human P29372

View online »

Background: Maintenance of DNA sequences is necessary for vertebrates and other life. DNA is under constant stress by a plethora of DNA-damaging agents present in both the environment and within cells. The potentially deleterious effects of DNA lesions in cells are elegantly resolved by sophisticated DNA repair systems, including base excision repair (BER), nucleotide excision repair (NER) and DNA repair methyltransferase (MTase). Methylated bases, such as 3-methyladenine (3MeA) and 7-methylguanine (7MeG) can be formed by agents in the environment and by endogenous cellular processes. Consequently, in the absence of exposure to environmental agents, DNA methylation damage can be incurred on the genomic DNA of normal mammalian cells. DNA N-glycosylases are base excision-repair proteins that locate and cleave damaged bases from DNA as the first step in restoring the sequence.

Synonyms: AAG; ADPG; anpg; APNG; CRA36.1; MDG; Mid1; PIG11; PIG16

Product images:



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-7: 231 cells
293T cells
Lovo cells
hepG2 cells
A549 cells
PC3 cells
A172 cells
Primary antibody: [TA368993] (MPG Antibody) at dilution 1/1500
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute