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Product datasheet for TA349683S

MPG Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Lovo and PC3 cells IHC: 50-200 Positive control: Human Lymphoma Predicted cell location: Nucleus and Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MPG
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32 kDa
Gene Name:	N-methylpurine DNA glycosylase
Database Link:	NP_002425 Entrez Gene 4350 Human P29372

View online »

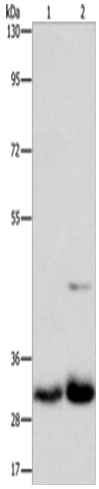
Background: Maintenance of DNA sequences is necessary for vertebrates and other life. DNA is under constant stress by a plethora of DNA-damaging agents present in both the environment and within cells. The potentially deleterious effects of DNA lesions in cells are elegantly resolved by sophisticated 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

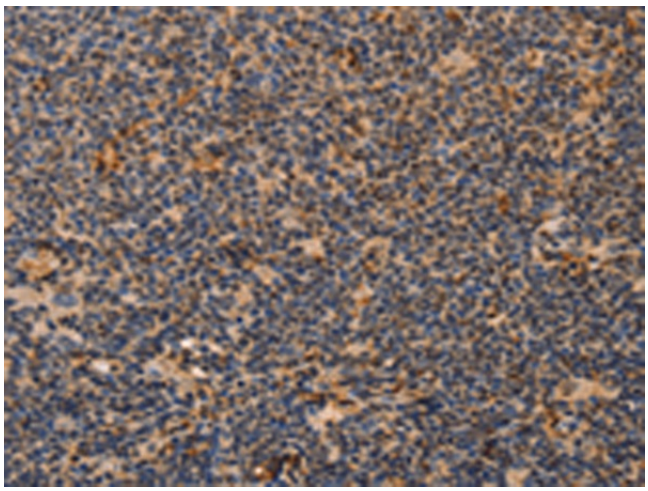
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Base excision repair

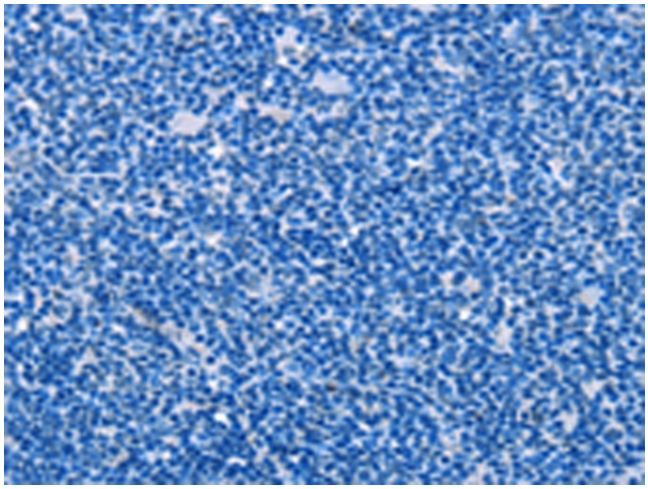
Product images:



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Lovo cells
PC3 cells
Primary antibody: [TA349683] (MPG Antibody) at dilution 1/950
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human Lymphoma tissue using [TA349683] (MPG Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human Lymphoma tissue using [TA349683] (MPG Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)