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Datasheet for ABIN3031925
anti-MPG antibody (C-Term)

2 Images

Overview

Quantity:	100 µg
Target:	MPG
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human MPG (NKSFDQRDLAQDEAVW) was used as the immunogen for this MPG antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	MPG
Alternative Name:	MPG (MPG Products)
Background:	N-Methylpurine-DNA glycosylase is encoded by the MPG gene, mapped to human chromosome 16 by analysis of a panel of DNAs from mouse/human and hamster/human hybrid cell lines. The gene was expressed in all cell lines and tissues examined, but was found at particularly

Target Details

high levels in a colon adenocarcinoma cell line (HT29). The completely characterized human gene was found to span 7 to 8 kb of genomic DNA and to be localized 75 kb upstream of the embryonic zeta-globin gene. To assess the contribution of MPG to the repair of several mutagenic lesions in vivo, Hang et al.(1997) biochemically analyzed cell-free extracts of tissues from mice with a targeted deletion of the gene. Following treatment with DNA-methylating agents, increased persistence of 7-methylguanine (meG) was found in liver sections of MPG knockout mice in comparison with wildtype mice, demonstrating an in vivo phenotype for the MPG-null animals.

UniProt: [P29372](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the MPG antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

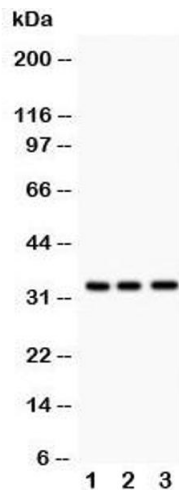
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

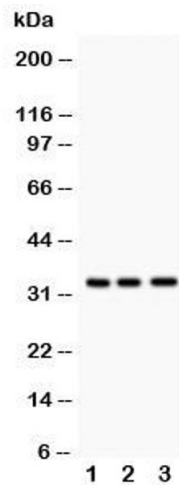
Storage: -20 °C

Storage Comment: After reconstitution, the MPG antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of MPG antibody and Lane 1: rat liver; 2: human HeLa; 3: (h) Jurkat. Predicted size: 33KD



Western Blotting

Image 2. Western blot testing of MPG antibody and Lane 1: rat liver