

Goat Anti-MPG Antibody
Peptide-affinity purified goat antibody
Catalog # AF1680a**Specification**

Goat Anti-MPG Antibody - Product Information

Application	WB, E
Primary Accession	P29372
Other Accession	NP_001015054 , 4350
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	32869

Goat Anti-MPG Antibody - Additional Information**Gene ID** 4350**Other Names**

DNA-3-methyladenine glycosylase, 3.2.2.21, 3-alkyladenine DNA glycosylase, 3-methyladenine DNA glycosidase, ADPG, N-methylpurine-DNA glycosylase, MPG, AAG, ANPG, MID1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-MPG Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-MPG Antibody - Protein Information**Name** MPG**Synonyms** AAG, ANPG, MID1**Function**

Hydrolysis of the deoxyribose N-glycosidic bond to excise 3- methyladenine, and 7-methylguanine from the damaged DNA polymer formed by alkylation lesions.

Cellular Location

Cytoplasm. Mitochondrion matrix, mitochondrion nucleoid. Nucleus

Goat Anti-MPG Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-MPG Antibody - Images



AF1680a staining (1 µg/ml) of HEK293 lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-MPG Antibody - References

Polymorphisms in the base excision repair pathway and graft-versus-host disease. Arora M, et al. Leukemia, 2010 Aug. PMID 20574454.
Variation within DNA repair pathway genes and risk of multiple sclerosis. Briggs FB, et al. Am J Epidemiol, 2010 Jul 15. PMID 20522537.
Frameshift mutagenesis and microsatellite instability induced by human alkyladenine DNA glycosylase. Klapacz J, et al. Mol Cell, 2010 Mar 26. PMID 20347426.
Association between genetic variants in the base excision repair pathway and outcomes after hematopoietic cell transplantations. Thyagarajan B, et al. Biol Blood Marrow Transplant, 2010 Aug. PMID 20226869.
Hopping enables a DNA repair glycosylase to search both strands and bypass a bound protein. Hedglin M, et al. ACS Chem Biol, 2010 Apr 16. PMID 20201599.