

MPG Antibody (monoclonal) (M07)**Mouse monoclonal antibody raised against a partial recombinant MPG.****Catalog # AT2888a****Specification**

MPG Antibody (monoclonal) (M07) - Product Information

Application	WB, IHC, IF, E
Primary Accession	P29372
Other Accession	BC014991
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	32869

MPG Antibody (monoclonal) (M07) - Additional Information**Gene ID** 4350**Other Names**

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

Target/Specificity

MPG (AAH14991, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

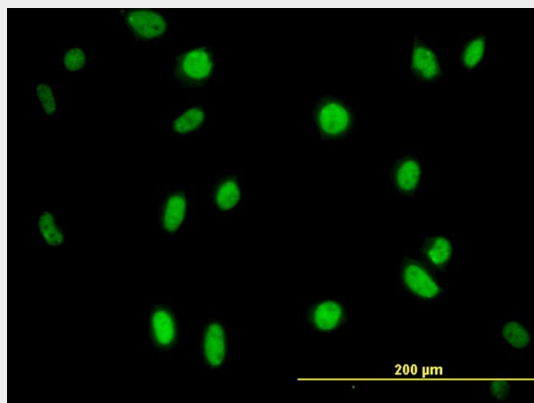
MPG Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

MPG Antibody (monoclonal) (M07) - Protocols

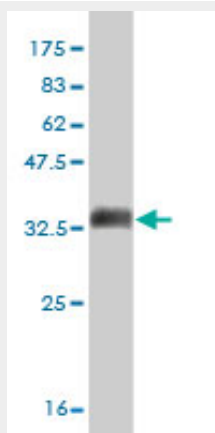
Provided below are standard protocols that you may find useful for product applications.

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

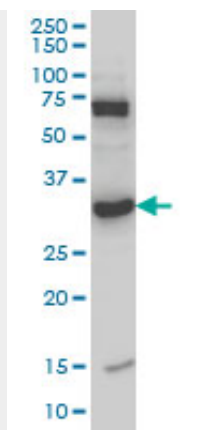
MPG Antibody (monoclonal) (M07) - Images



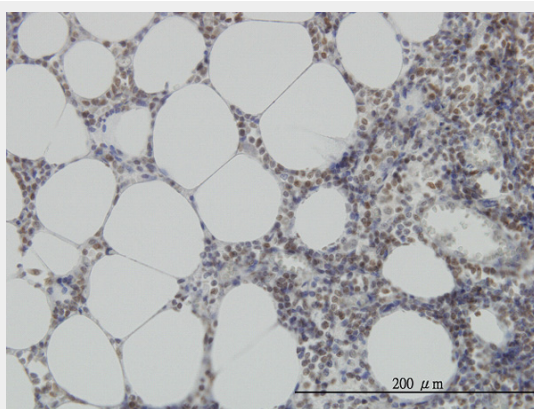
Immunofluorescence of monoclonal antibody to MPG on HeLa cell. [antibody concentration 10 ug/ml]



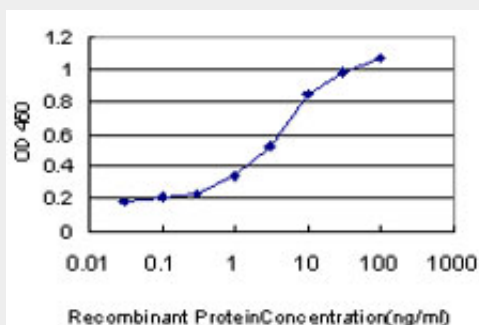
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .



MPG monoclonal antibody (M07), clone 2C5 Western Blot analysis of MPG expression in Hela S3 NE (Cat # AT2888a)



Immunoperoxidase of monoclonal antibody to MPG on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged MPG is approximately 0.1ng/ml as a capture antibody.

MPG Antibody (monoclonal) (M07) - 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.