

Mouse anti-Human MPG Monoclonal Antibody | anti-MPG antibody

MPG (DNA-3-methyladenine Glycosylase, 3-alkyladenine DNA Glycosylase, 3-methyladenine DNA Glycosidase, ADPG, N-methylpurine-DNA Glycosylase, AAG, ANPG, MID1) (AP)

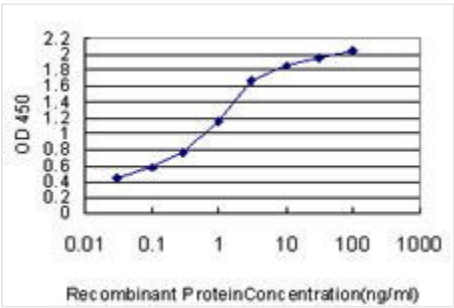
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24278	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

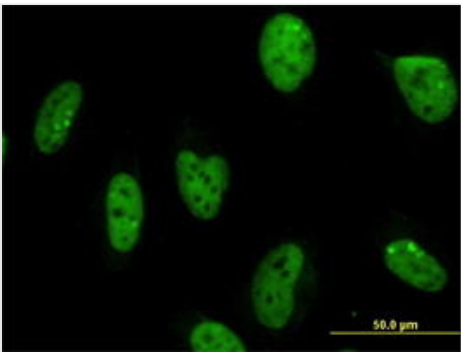
MPG; Monoclonal Antibody; MPG (DNA-3-methyladenine Glycosylase; 3-alkyladenine DNA Glycosylase; 3-methyladenine DNA Glycosidase; ADPG; N-methylpurine-DNA Glycosylase; AAG; ANPG; MID1) (AP); anti-MPG antibody

PRODUCT SPECIFICATIONS

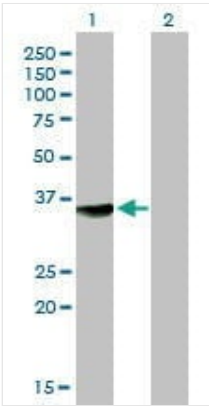
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1E10
Specificity	Recognizes human MPG.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-MPG antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-90 from human MPG (AAH14991) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MPARSGAQFCRRMGQKKQRPARAGQPHSSSDAAQAPAEQPHSSSDAAQAPCPRERCLGPPTTPGPYRSIYFSSPKGHLTRLGLEFFDQPA
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



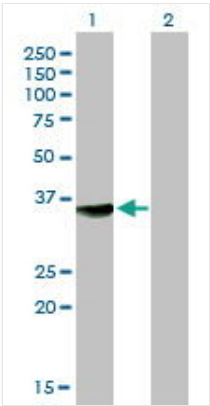
Application Data
Detection limit for recombinant GST tagged MPG is ~0.03ng/ml as a capture antibody.



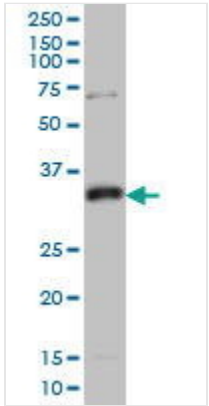
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to MPG on HeLa cell. [antibody concentration 40ug/ml]



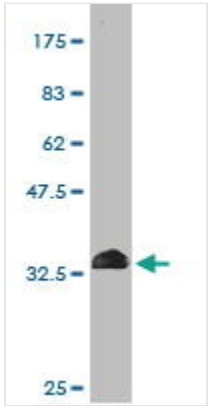
IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to MPG on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3ug/ml]



WB (Western Blot)
Western Blot analysis of MPG expression in transfected 293T cell line by MPG monoclonal antibody. Lane 1: MPG transfected lysate (32.2kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
MPG monoclonal antibody Western Blot analysis of MPG expression in Hela NE.



WB (Western Blot)
Western Blot detection against Immunogen (35.53kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-MPG antibody	Antibodies; Enzymes; Glycosidase
References	1. Chk2-dependent phosphorylation of XRCC1 in the DNA damage response promotes base excision repair. Chou WC, Wang HC, Wong FH, Ding SL, Wu PE, Shieh SY, Shen CY.EMBO J. 2008 Dec 3;27(23):3140-50. Epub 2008 Oct 30.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15929072
NCBI GeneID	4350
Molecular Weight	30,824 Da
NCBI Official Full Name	Homo sapiens N-methylpurine-DNA glycosylase, mRNA
NCBI Official Synonym Full Names	N-methylpurine DNA glycosylase
NCBI Official Symbol	MPG
NCBI Official Synonym Symbols	AAG; MDG; ADPG; APNG; Mid1; anpg; PIG11; PIG16; CRA36.1
NCBI Protein Information	DNA-3-methyladenine glycosylase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/mpg-antibody-clone-1e10-immunohistochemistry-western-blot-elisa/24278>