

Rabbit MPG Polyclonal Antibody | anti-MPG antibody

MPG Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327029	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

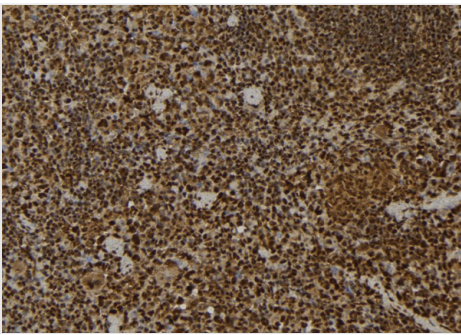
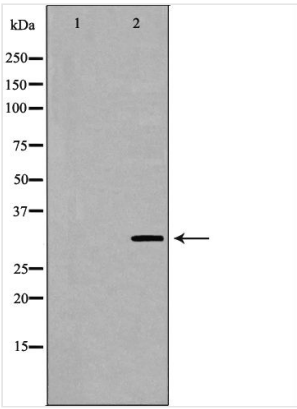
PRODUCT SYNONYMS

MPG; Polyclonal Antibody; MPG Antibody; 3 alkyladenine DNA glycosylase; 3-alkyladenine DNA glycosylase; 3-methyladenine DNA glycosidase; 3MG_HUMAN; AAG; ADPG; Alkyladenine DNA glycosylase; anpg; APNG; CRA36.1; DNA 3 methyladenine glycosylase; DNA-3-methyladenine glycosylase; MDG; Mid1; Mpg; N methylpurine DNA glycosirase; N methylpurine DNA glycosylase; N-methylpurine-DNA glycosylase; PIG11; PIG16; Proliferation inducing protein 11; Proliferation inducing protein 16; anti-MPG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MPG antibody detects endogenous levels of total MPG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	293
Applicable Applications for anti-MPG antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MPG
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (83%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327029 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of K562 whole cell lysates, using MPG Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MPG antibody	Function: Hydrolysis of the deoxyribose N-glycosidic bond to excise 3-methyladenine, and 7-methylguanine from the damaged DNA polymer formed by alkylation lesions. Subunit Structure: Binds MBD1. Binds SSBP1. Similarity: Belongs to the DNA glycosylase MPG family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62632765
NCBI GeneID	4350
NCBI Accession #	NP_001015052.1
NCBI GenBank Nucleotide #	NM_001015052.2
UniProt Accession #	P29372; Q13770; Q15275; Q15961; Q5J9I4; Q96BZ6; Q96S33; Q9NNX5; G5E9E2
Molecular Weight	Observed: 32 kDa Predicted: 33 kDa
NCBI Official Full Name	DNA-3-methyladenine glycosylase isoform b
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
UniProt Protein Name	DNA-3-methyladenine glycosylase
UniProt Gene Name	MPG
UniProt Synonym Gene Names	AAG; ANPG; MID1

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.