

Rabbit MPG Polyclonal Antibody | anti-MPG antibody

MPG antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199473	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

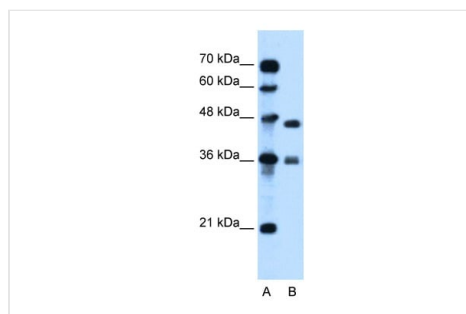
PRODUCT SYNONYMS

MPG; Polyclonal Antibody; MPG antibody - C-terminal region; anti-MPG antibody

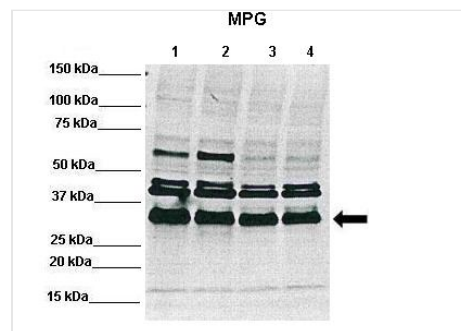
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LE PSEPAAVAAA RVGVGHAGEW ARKPLRFYVR GSPWVSVVDR VAEQDTQA
Sequence Length	293
Applicable Applications for anti-MPG antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 79%; Guinea Pig: 79%; Horse: 79%; Human: 100%; Mouse: 100%; Rabbit: 85%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human MPG
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-MPG Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate


WB (Western Blot)

WB Suggested Anti-MPG Antibody Positive Control: Lane1: 50ug RCC4 lysate, Lane2: 50ug RCC4 lysate, Lane3: 50ug 786-0 lysate, Lane4: 50ug 786-0 lysate Primary Antibody Dilution : 1:1000 Secondary Antibody : Anti-rabbit-Alexa 680 Secondary Antibody Dilution : 1:5000 Submitted by: Dr Ester Hammond, Gray Institute for Radiation Oncology and Biology- Department of Oncology, University of Oxford

ADDITIONAL INFORMATION

Related Product Information for anti-MPG antibody	This is a rabbit polyclonal antibody against MPG. It was validated on Western Blot using a cell lysate as a positive control. Target Description: MPG functions in the hydrolysis of the deoxyribose N-glycosidic bond to excise 3-methyladenine, and 7-methylguanine from the damaged DNA polymer formed by alkylation lesions.
Product Categories/Family for anti-MPG antibody	Polyclonal; DNA Damage & Repair; DNA Repair

NCBI AND UNIPROT INFORMATION

NCBI GI #	62632765
NCBI GeneID	4350
NCBI Accession #	NP_001015052
NCBI GenBank Nucleotide #	NM_001015052
UniProt Accession #	Q5J9I4; P29372
Molecular Weight	32kDa
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

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.