



Datasheet for ABIN2781976
anti-MPG antibody (C-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	MPG
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human MPG
Sequence:	LEPSEPAVVA AARVGVGHAG EWARKPLRFY VRGSPWVSVV DRVAEQDTQA
Predicted Reactivity:	Cow: 85%, Dog: 79%, Guinea Pig: 79%, Horse: 79%, Human: 100%, Mouse: 100%, Rabbit: 85%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MPG. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MPG
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Target Details

Alternative Name:	MPG (MPG Products)
Background:	<p>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.</p> <p>Alias Symbols: AAG, APNG, CRA36.1, MDG, Mid1, PIG11, PIG16, anpg, ADPG</p> <p>Protein Interaction Partner: HSD17B14, RPA3, RPA2, RPA1, HECW2, UHRF2, LARP4, OBSCN, DHX33, PRPF38B, GNL2, UHRF1, RACGAP1, RRP7A, GNL3, NOC2L, TFIP11, RPRD2, CLASP2, RRP1B, KDM2A, MORF4L1, FXR2, SART1, KHSRP, SRSF1, RFC4, PPP1R10, EXOSC9, PKM, PRDX1, NCBP1, LHCGR, GSN, FLG, KPRP, TWI</p> <p>Protein Size: 293</p>
Molecular Weight:	32 kDa
Gene ID:	4350
NCBI Accession:	NM_001015052 , NP_001015052
UniProt:	Q5J9I4
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 293 AA
Restrictions:	For Research Use only

Handling

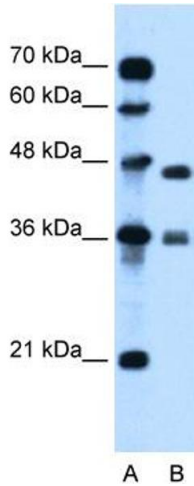
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

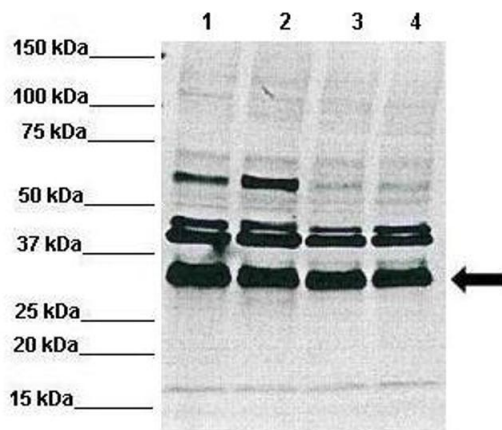
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



MPG



Western Blotting

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

Western Blotting

Image 2. 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