

PAH625Ra01

Polyclonal Antibody to N-Methylpurine DNA Glycosylase (MPG)

Organism: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

8th Edition (Revised in Jun, 2013)

[PRODUCT INFORMATION]

Immunogen: MPG, Rat

Clonality: Polyclonal

Host: Rabbit

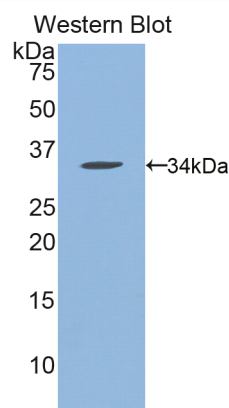
Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg



Sample: Recombinant MPG, Rat

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant MPG (Gln32~Met300) expressed in *E.coli*.

USCN Accession No.: RPH625Ra01

Sequence: The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF-QVTGSREVG QMPAPLSRKI
GQKKQQLAQS EQQQTPEKEL SSTPGLLSI YFSSPEDRPA RLGPEYFDQP AVTLARAFLG
QVLVRRADG TELRGRIVET EAYLGPEDEA AHSRGGQRTP RNRGMFMKPG TLYVYLIYGM
YFCLNVSSQG AGACVLLRAL EPLEGLETMR QLRNSLRKST VGRSLKDREL CNGPSKLCQA
LARSKSFDQR DLAQDEAVWL EHGPLESSSP AVVAAAAGIG HAGEWTQKPL
RFYVQGSPWV SVVDRVAEQM

[**ANTIBODY SPECIFICITY**]

The antibody is a rabbit polyclonal antibody raised against MPG. It has been selected for its ability to recognize MPG in immunohistochemical staining and western blotting.

[**APPLICATIONS**]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[**CONTENTS**]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[**QUALITY CONTROL**]

Content: The quality control contains recombinant MPG (Gln32~Met300) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[**STORAGE**]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.