PAH625Hu01

Polyclonal Antibody to N-Methylpurine DNA Glycosylase (MPG)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Polyclonal antibody preparation
Host: Rabbit
Purification: Antigen-specific Affinity Chromatography.
Traits: Liquid
Concentration: 500µg/mL
UOM: 100µg
Applications: WB; ICC; IHC-P; IHC-F; ELISA.

[IMMUNOGEN]

Immunogen: Recombinant MPG (Pro70~Lys220) and (Leu221~Thr296) linked with LCQALA expressed in *E.coli*.
Accession No.: RPH625Hu01

[APPLICATIONS]

Western blotting: 1-5µg/mL
Immunocytochemistry in formalin fixed cells: 5-20µg/mL
Immunohistochemistry in formalin fixed frozen section: 5-20µg/mL
Immunohistochemistry in paraffin section: 5-20µg/mL
Enzyme-linked Immunosorbent Assay: 0.05-2µg/mL
Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for two years.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the

protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
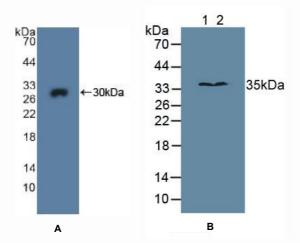
[IDENTIFICATION]

Figure 1. Western Blot

A. Sample: Recombinant MPG, Human

B. Lane1: Human Jurkat Cells

   Lane2: Human MCF7 Cells

   Primary Ab: 3μg/mL Rabbit Anti-Human MPG Ab

   Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig
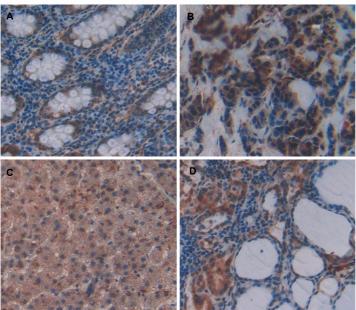
   Anti-Rabbit Ab (Catalog: SAA544Rb59)

Figure 2. DAB staining on IHC-P

Samples:

A.   Human Rectum Tissue

B.   Human Breast Cancer Tissue

C.   Human Liver Cancer Tissue

D.   Human Thyroid Tissue