

Datasheet for ABIN7261363

**anti-MPG antibody**

## 4 Images

[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	MPG
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPG antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein of human MPG (NP_001015052.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	MPG
Alternative Name:	MPG ( <a href="#">MPG Products</a> )
Background:	Maintenance of DNA sequences is necessary for vertebrates and other life. DNA is under constant stress by a plethora of DNA-damaging agents present in both the environment and within cells. The potentially deleterious effects of DNA lesions in cells are elegantly resolved by sophisticated DNA repair systems, including base excision repair (BER), nucleotide excision

## Target Details

repair (NER) and DNA repair methyltransferase (MTase). Methylated bases, such as 3-methyladenine (3MeA) and 7-methylguanine (7MeG) can be formed by agents in the environment and by endogenous cellular processes. Consequently, in the absence of exposure to environmental agents, DNA methylation damage can be incurred on the genomic DNA of normal mammalian cells. DNA N-glycosylases are base excision-repair proteins that locate and cleave damaged bases from DNA as the first step in restoring the sequence.

Molecular Weight: Observed\_MW: 37 kDa  
Calculated\_MW: 30 kDa/32 kDa

Gene ID: 4350

UniProt: [P29372](#)

Pathways: [DNA Damage Repair](#)

## Application Details

Application Notes: WB 1:500-1:2000 IF 1:50-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

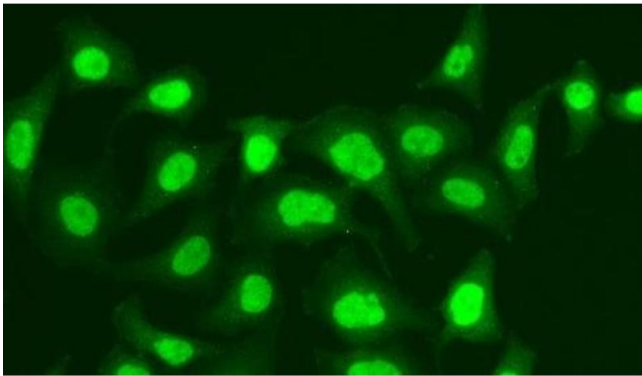
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

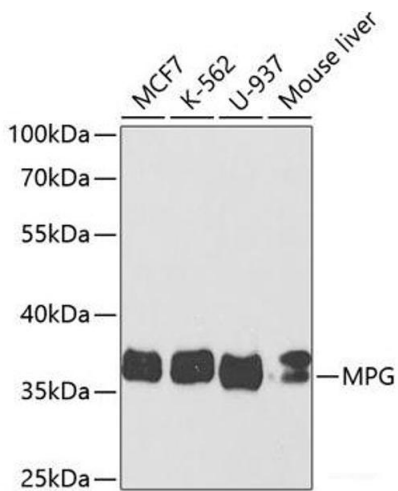
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



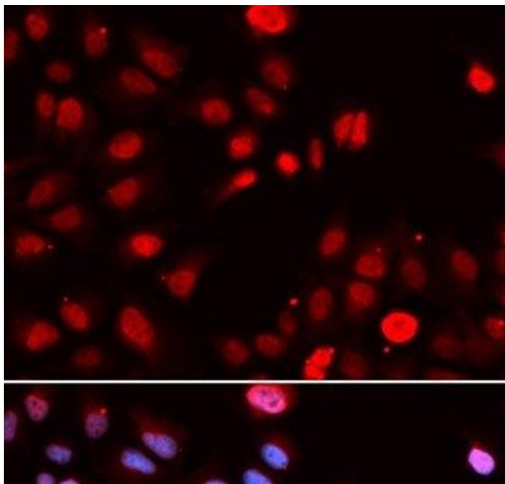
**Immunofluorescence**

**Image 1.** Immunofluorescence analysis of A549 cells using MPG Polyclonal Antibody



**Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines using MPG Polyclonal Antibody at dilution of 1:1000.



**Immunofluorescence**

**Image 3.** Immunofluorescence analysis of U2OS cells using MPG Polyclonal Antibody

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7261363.