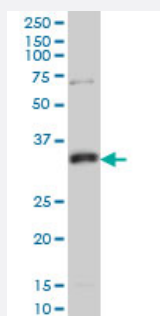


# MPG monoclonal antibody (M04), clone 1E10

Catalog # H00004350-M04

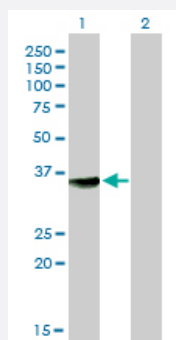
Size 100 ug

## Applications



### Western Blot (Cell lysate)

MPG monoclonal antibody (M04), clone 1E10 Western Blot analysis of MPG expression in Hela S3 NE ( Cat # L013V3 ).

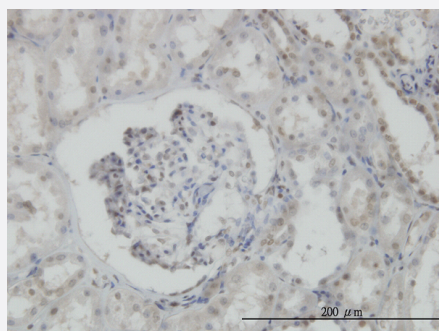


### Western Blot (Transfected lysate)

Western Blot analysis of MPG expression in transfected 293T cell line by MPG monoclonal antibody (M04), clone 1E10.

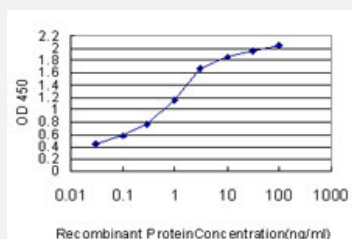
Lane 1: MPG transfected lysate(32.2 KDa).

Lane 2: Non-transfected lysate.



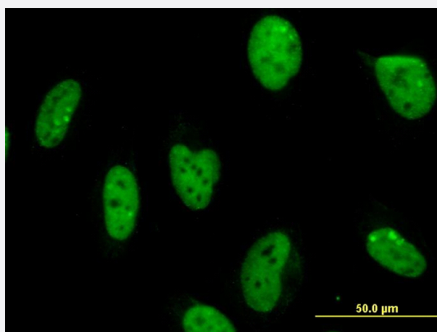
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MPG on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



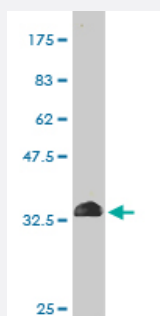
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MPG is approximately 0.03ng/ml as a capture antibody.



## Immunofluorescence

Immunofluorescence of monoclonal antibody to MPG on HeLa cell. [antibody concentration 40 ug/ml]



Western Blot detection against Immunogen (35.53 KDa) .

## Specification

|                                |                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a partial recombinant MPG.                                          |
| <b>Immunogen</b>               | MPG (AAH14991, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                | MPARSGAQFCRRMGQKKQRPARGQPHSSSDAAQAPAEQPHSSSDAAQAPCPRERCLGPPT<br>TPGPYRSIYFSSPKGHLTRLGLEFFDQPA                |
| <b>Host</b>                    | Mouse                                                                                                        |
| <b>Reactivity</b>              | Human                                                                                                        |
| <b>Isotype</b>                 | IgG2a Kappa                                                                                                  |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (35.53 KDa) .     |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                     |

## Applications

- Western Blot (Cell lysate)

MPG monoclonal antibody (M04), clone 1E10 Western Blot analysis of MPG expression in Hela S3 NE ( Cat # L013V3 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MPG expression in transfected 293T cell line by MPG monoclonal antibody (M04), clone 1E10.

Lane 1: MPG transfected lysate(32.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MPG on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MPG is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MPG on HeLa cell. [antibody concentration 40 ug/ml]

## Gene Info — MPG

**Entrez GeneID** [4350](#)

**GeneBank Accession#** [BC014991](#)

**Protein Accession#** [AAH14991](#)

**Gene Name** MPG

**Gene Alias** AAG, APNG, CRA36.1, MDG, Mid1, PIG11, PIG16, anpg

|                    |                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | N-methylpurine-DNA glycosylase                                                                                                                                                                                                                                  |
| Omim ID            | <a href="#">156565</a>                                                                                                                                                                                                                                          |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                       |
| Gene Summary       | localized 68 kb upstream the humanzeta globin gene on 16p CRA36.1 (3-methyl-adenine DNA glycosylase) N-methylpurine-DNA glycosylase                                                                                                                             |
| Other Designations | 3' end of the Mid1 gene, localized 68 kb upstream the humanzeta globin gene on 16p CRA36.1 (3-methyl-adenine DNA glycosylase) N-methylpurine-DNA glycosylase, MPG alkyladenine DNA glycosylase proliferation-inducing protein 11 proliferation-inducing protein |

## Publication Reference

- [Chk2-dependent phosphorylation of XRCC1 in the DNA damage response promotes base excision repair.](#)

Chou WC, Wang HC, Wong FH, Ding SL, Wu PE, Shieh SY, Shen CY.

The EMBO Journal 2008 Dec; 27(23):3140.

Application: WB, Human, 293T cells

## Pathway

- [Base excision repair](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)

- [Multiple Sclerosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)