

# Product Datasheet

## MPG Antibody (1E10) - Azide and BSA Free H00004350-M04

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 2

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Updated 2/21/2025 v.20.1

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**H00004350-M04**

MPG Antibody (1E10) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1E10
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	In 1x PBS, pH 7.4

**Product Description**

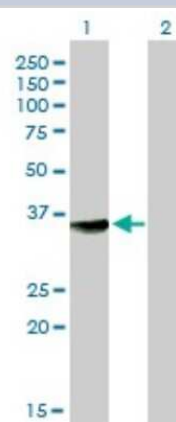
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	4350
<b>Gene Symbol</b>	MPG
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	MPG (1E10)
<b>Immunogen</b>	MPG (AAH14991, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MPARSGAQFCRRMGQKKQRPARAGQPHSSSDAAQAPAEQPHSSSDAAQAP CPRERCLGPPTTPGPYRSIYFSSPKGHLTRLGLEFFDQPA
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

**Product Application Details**

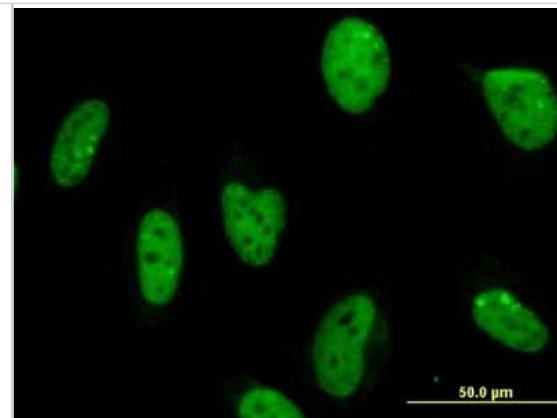
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

**Images**

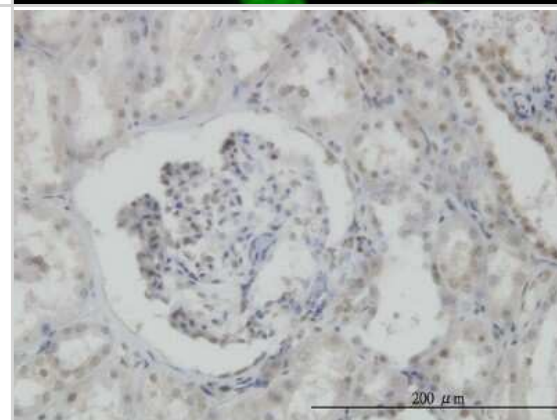
Western Blot: MPG Antibody (1E10) [H00004350-M04] - Analysis of MPG expression in transfected 293T cell line by MPG monoclonal antibody (M04), clone 1E10. Lane 1: MPG transfected lysate (32.2 KDa). Lane 2: Non-transfected lysate.



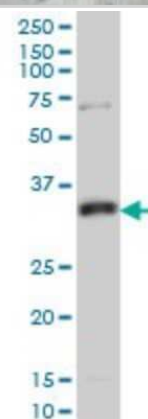
Immunocytochemistry/Immunofluorescence: MPG Antibody (1E10) [H00004350-M04] - Analysis of monoclonal antibody to MPG on HeLa cell. Antibody concentration 40 ug/ml



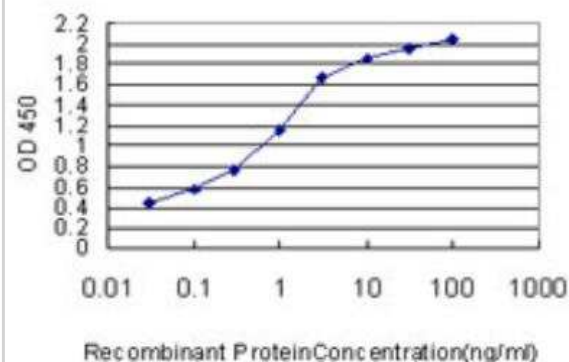
Immunohistochemistry-Paraffin: MPG Antibody (1E10) [H00004350-M04] - Analysis of monoclonal antibody to MPG on formalin-fixed paraffin-embedded human kidney. Antibody concentration 3 ug/ml



Western Blot: MPG Antibody (1E10) [H00004350-M04] - Analysis of MPG expression in Hela S3 NE (Cat # L013V3).



ELISA: MPG Antibody (1E10) [H00004350-M04] - Detection limit for recombinant GST tagged MPG is approximately 0.03ng/ml as a capture antibody.



## Publications

Jang S, Kumar N, Schaich MA et al. Cooperative interaction between AAG and UV-DDB in the removal of modified bases Nucleic acids research 2022-12-13 [PMID: 36511855] (ICC/IF, Human)

Details:

Dilution used in ICC 1:100

Chou WC, Wang HC, Wong FH et al. Chk2-dependent phosphorylation of XRCC1 in the DNA damage response promotes base excision repair. EMBO J. 2008-12-03 [PMID: 18971944]





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### **Products Related to H00004350-M04**

NB800-PC9	HeLa Nuclear Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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