

Datasheet for ABIN4996683

**anti-MPG antibody (AA 101-200) (AbBy Fluor® 750)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | MPG                                                                                                                            |
| Binding Specificity: | AA 101-200                                                                                                                     |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This MPG antibody is conjugated to AbBy Fluor® 750                                                                             |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human APNG/MPG |
| Isotype:              | IgG                                                          |
| Cross-Reactivity:     | Human                                                        |
| Predicted Reactivity: | Mouse,Rat,Cow,Pig                                            |
| Purification:         | Purified by Protein A.                                       |

## Target Details

|                   |                                           |
|-------------------|-------------------------------------------|
| Target:           | MPG                                       |
| Alternative Name: | APNG/MPG ( <a href="#">MPG Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: N-methylpurine-DNA glycosylase isoform a, DNA 3 methyladenine glycosylase, 3 alkyladenine DNA glycosylase, AAG, ADPG, Alkyladenine DNA glycosylase, anpg , APNG, MDG, N methylpurine DNA glycosirase, CRA36.1, MDG, Mid1, PIG11, PIG16, 3MG_HUMAN.</p> <p>Background: MPG (N-methylpurine DNA glycosylase, or 3-methyladenine (3MeA) DNA glycosylase) repairs the 3MeA lethal lesion blocking DNA replication in Escherichia coli.</p> <p>Analysis of human cDNA libraries found a cDNA that would hybridize to human genomic DNA but not to E. coli or yeast DNA. This MPG gene has been mapped to human chromosome 16 by analysis of a panel of DNAs from mouse/human and hamster/human hybrid cell lines.</p> |
| Gene ID:    | 4350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pathways:   | <a href="#">DNA Damage Repair</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only                                                       |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |