

A2268

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## OGG1 Rabbit pAb

Catalog No.: A2268

3 Publications

### Basic Information

#### Observed MW

36kDa

#### Calculated MW

39kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB,ELISA

#### Cross-Reactivity

Human,Mouse

### Background

This gene encodes the enzyme responsible for the excision of 8-oxoguanine, a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen. The action of this enzyme includes lyase activity for chain cleavage. Alternative splicing of the C-terminal region of this gene classifies splice variants into two major groups, type 1 and type 2, depending on the last exon of the sequence. Type 1 alternative splice variants end with exon 7 and type 2 end with exon 8. All variants share the N-terminal region in common, which contains a mitochondrial targeting signal that is essential for mitochondrial localization. Many alternative splice variants for this gene have been described, but the full-length nature for every variant has not been determined.

### Recommended Dilutions

WB 1:200 - 1:1000

### Immunogen Information

**Gene ID**  
4968

**Swiss Prot**  
O15527

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-345 of human OGG1 (NP\_002533.1).

#### Synonyms

HMMH; MUTM; OGH1; HOGG1; OGG1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**  
Rabbit

**Isotype**  
IgG

**Purification**  
Affinity purification

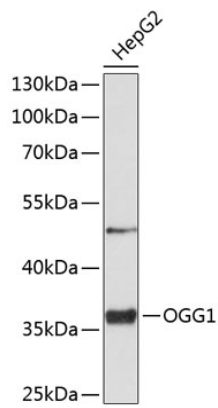
#### Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from HepG2 cells, using OGG1 Rabbit pAb (A2268) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.