

# OGG1 Rabbit Polyclonal Antibody



CAB1384

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

36kDa

### Calculated MW:

22kDa/36kDa/38kDa/39kDa/  
40kDa/45kDa/47kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

4968

### Uniprot

O15527

### Synonyms:

OGG1; HMMH; HOGG1; MUTM; OGH1

### Immunogen:

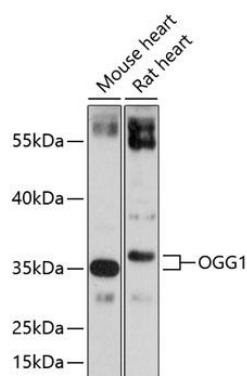
Recombinant fusion protein containing a sequence corresponding to amino acids 1-345 of human OGG1 (NP\_002533.1).

### Storage:

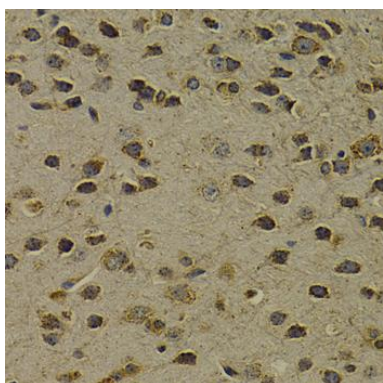
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using OGG1 antibody (CAB1384) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded mouse brain using OGG1 antibody (CAB1384) at dilution of 1:200 (40x lens).