

## Goat anti-Human, Mouse OGG1 Polyclonal Antibody | anti-OGG1 antibody

Goat Polyclonal to Mouse OGG1

| CATALOG # | HOST | REACTIVITY   | APPLICATIONS                              |
|-----------|------|--------------|-------------------------------------------|
| AAA50872  | Goat | Human, Mouse | ELISA, Western Blot, Immunohistochemistry |

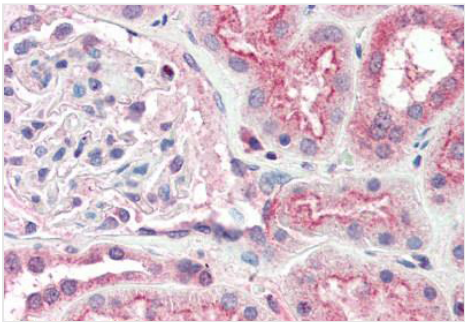
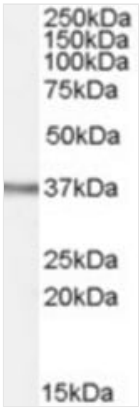
### PRODUCT SYNONYMS

OGG1; Polyclonal Antibody; Goat Polyclonal to Mouse OGG1; Anti-OGG1 Antibody (Internal) IHC-plus; 8-oxoguanine DNA glycosylase; AP lyase; HMMH; N-glycosylase/DNA lyase; HOGG1; OGH1; OGG1 type 1f; MMH; MUTM; Mouse OGG1; anti-OGG1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Goat                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                     | Human, Mouse                                                                                                                                                                                                                                                                                                                           |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                             |
| Specificity                                    | Mouse OGG1.                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification                            | Immunoaffinity Purified                                                                                                                                                                                                                                                                                                                |
| Form/Format                                    | Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide                                                                                                                                                                                                                                                                             |
| Concentration                                  | 0.5 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                              |
| Sequence Length                                | 324                                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for anti-OGG1 antibody | ELISA, WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                   |
| Target Species                                 | Mouse                                                                                                                                                                                                                                                                                                                                  |
| Immunogen Description                          | Synthetic peptide C-HPKTSQAKGPSPLANK from an internal region of mouse OGG1 (NP_035087.2). Percent identity with other species by BLAST analysis: Mouse (100%), Rat (88%), Hamster (88%), Elephant (88%), Panda (88%), Bovine (88%), Human (81%).                                                                                       |
| Immunogen Type                                 | Synthetic peptide                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                      | OGG1 antibody was raised against synthetic peptide C-HPKTSQAKGPSPLANK from an internal region of mouse OGG1 (NP_035087.2). Percent identity with other species by BLAST analysis: Mouse (100%), Rat (88%), Hamster (88%), Elephant (88%), Panda (88%), Bovine (88%), Human (81%), Gorilla (81%), Monkey (81%), Dog (81%), Horse (81%). |
| Antigen Modification                           | Internal                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                        | Store at -20 degree C. Minimize freezing and thawing.                                                                                                                                                                                                                                                                                  |

IMAGES



**IHC (Immunohistochemistry)**  
Anti-OGG1 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

**WB (Western Blot)**  
Antibody (0.1 ug/ml) staining of Rat Spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-OGG1 antibody | Ogg1 removes the mutagenic base, 8 oxoguanine, formed by oxidative DNA damage generated by reactive oxygen species (free radicals). It has been shown that loss of heterozygosity at the OGG1 locus occurs in lung and renal carcinomas. |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 8670530                                                                                                                    |
| NCBI GeneID                      | 4968                                                                                                                       |
| NCBI Accession #                 | NP_058212.1                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_016819.3                                                                                                                |
| UniProt Accession #              | O15527; O00390; O00670; O00705; O14876; O95488; P78554; Q9BW42; Q9UIK0; Q9UIK1; Q9UIK2; A8K1E3                             |
| Molecular Weight                 | 36,085 Da                                                                                                                  |
| NCBI Official Full Name          | N-glycosylase/DNA lyase isoform 1b                                                                                         |
| NCBI Official Synonym Full Names | 8-oxoguanine DNA glycosylase                                                                                               |
| NCBI Official Symbol             | OGG1                                                                                                                       |
| NCBI Official Synonym Symbols    | HMMH; MUTM; OGH1; HOGG1                                                                                                    |
| NCBI Protein Information         | N-glycosylase/DNA lyase; AP lyase; OGG1 type 1f; 8-hydroxyguanine DNA glycosylase; DNA-apurinic or apyrimidinic site lyase |
| UniProt Protein Name             | N-glycosylase/DNA lyase                                                                                                    |
| UniProt Gene Name                | OGG1                                                                                                                       |
| UniProt Synonym Gene Names       | MMH; MUTM; OGH1; AP lyase                                                                                                  |
| UniProt Entry Name               | OGG1_HUMAN                                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ogg1-antibody-western-blot-immunohistochemistry-elisa/50872>