10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OGG1 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12248

Specification

OGG1 Antibody (Internal) - Product Information

Application	**WB**
Primary Accession	O15527
Reactivity	**Human, Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**

OGG1 Antibody (Internal) - Additional Information

Gene ID 4968

Other Names
N-glycosylase/DNA lyase, 8-oxoguanine DNA glycosylase, 3.2.2.-, DNA-(apurinic or apyrimidinic site) lyase, AP lyase, 4.2.99.18, OGG1, MMH, MUTM, OGH1

Target/Specificity
Mouse OGG1.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
OGG1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

OGG1 Antibody (Internal) - Protein Information

Name OGG1

Synonyms MMH, MUTM, OGH1

Function
DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N- methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.

Cellular Location
Nucleus, nucleoplasm. Nucleus speckle. Nucleus matrix. Note=Together with APEX1 is recruited to nuclear speckles in UVA-irradiated cells [Isoform 2A]: Mitochondrion.

Tissue Location
Ubiquitous.

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OGG1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OGG1 Antibody (Internal) - Images



Antibody (0.1 ug/ml) staining of Rat Spleen lysate (35 ug protein in RIPA buffer).

OGG1 Antibody (Internal) - Background

DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N- methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.

OGG1 Antibody (Internal) - References

Aburatani H.,et al.Cancer Res. 57:2151-2156(1997).
Rosenquist T.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:7429-7434(1997).
Roldan-Arjona T.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:8016-8020(1997).
Radicella J.P.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:8010-8015(1997).
Lu R.,et al.Curr. Biol. 7:397-407(1997).