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OGG1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14637

Product Information

Application	WB
Primary Accession	O15527
Other Accession	NM_016829, NP_058438
Reactivity	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38782

Additional Information

Gene ID	4968
Alias Symbol	HMMH, HOGG1, MUTM, OGH1
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	Directed against isoforms 2D, 1A, 1B, 2E.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-OGG1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	OGG1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

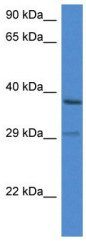
Name	OGG1
Synonyms	MMH, MUTM, OGH1
Function	DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.

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.

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).

Images



WB Suggested Anti-OGG1 Antibody Titration: 1.0 µg/ml
Positive Control: ACHN Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.