

## ARG40512 anti-Ogg1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Ogg1
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Ogg1
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 318-345 of Human Ogg1.
Conjugation	Un-conjugated
Alternate Names	EC 4.2.99.18; N-glycosylase/DNA lyase [Includes: 8-oxoguanine DNA glycosylase; HOGG1; MUTM; OGH1; AP lyase; HMMH; apurinic or apyrimidinic site; EC 3.2.2.-

### Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	

### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	OGG1
Gene Full Name	8-oxoguanine DNA glycosylase
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. [provided by RefSeq, Aug 2008]
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. [UniProt]
Calculated Mw	39 kDa
Cellular Localization	Nucleus, nucleoplasm. Nucleus speckle. Nucleus matrix. Note=Together with APEX1 is recruited to nuclear speckles in UVA-irradiated cells. Isoform 1A: Nucleus. Isoform 2A: Mitochondrion. [UniProt]

## Images



ARG40512 anti-Ogg1 antibody WB image

Western blot: 20 µg of HeLa whole cell lysate stained with ARG40512 anti-Ogg1 antibody at 1:2000 dilution.