

Datasheet for ABIN702657

## anti-OGG1 antibody (AA 151-250) (Biotin)



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### Overview

Quantity:	100 µL
Target:	OGG1
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OGG1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OGG1/8 hydroxyguanine DNA glycosylase
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig
Purification:	Purified by Protein A.

### Target Details

Target:	OGG1
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## Target Details

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Alternative Name: [OGG1 \(OGG1 Products\)](#)

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Background: Synonyms: 8 hydroxyguanine DNA glycosylase, 8 oxoguanine DNA glycosylase 1, 8-oxoguanine DNA glycosylase, AP lyase, DNA apurinic or apyrimidinic site lyase, DNA lyase, DNA-apurinic or apyrimidinic site lyase, HMMH, HOGG 1, HOGG1, MMH, MUTM, N-glycosylase, Ogg 1, OGH 1, OGH1, OGG1\_HUMAN.

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].

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Gene ID: 4968

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Pathways: [DNA Damage Repair](#)

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## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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## Handling

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months