

Datasheet for ABIN909452

anti-OGG1 antibody (AA 151-250) (AbBy Fluor® 555)



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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 AbBy Fluor® 555
Application:	Western Blotting (WB), Flow Cytometry (FACS)

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
Alternative Name:	OGG1 (OGG1 Products)

Target Details

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].

Gene ID: 4968

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: FCM 1:20-100
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months