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Datasheet for ABIN702655 anti-OGG1 antibody (AA 151-250)

2 Images

1 Publication



Overview

Quantity:	100 µL
Target:	OGG1
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OGG1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), 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
lsotype:	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	
Alternative Name:	OGG1 (OGG1 Products)
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:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	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:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Cogoi, Ferino, Miglietta, Pedersen, Xodo: "The regulatory G4 motif of the Kirsten ras (KRAS)
	gene is sensitive to guanine oxidation: implications on transcription." in: Nucleic acids research,
	Vol. 46, Issue 2, pp. 661-676, (2017) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon cancer labeled with Rabbit Anti-OGG1 Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining,

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human colon cancer labeled with Rabbit Anti-OGG1 Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining

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