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anti-OGG1 antibody

3 Images



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Quantity:	100 μL	
Target:	OGG1	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Monoclonal	
Conjugate:	This OGG1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC)	

Product Details

Purpose:	OGG1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human OGG1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	OGG1
Alternative Name:	OGG1 (OGG1 Products)
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],HMMH, HOGG1, MUTM, OGH1,Cancer,DNA Damage & Repair,Epigenetics & Nuclear Signaling,Tumor biomarkers,OGG1

Molecular Weight: 39kDa

Gene ID: 4968

UniProt: 015527

Pathways: DNA Damage Repair

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Buffer:

PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative:

Sodium azide

Precaution of Use:

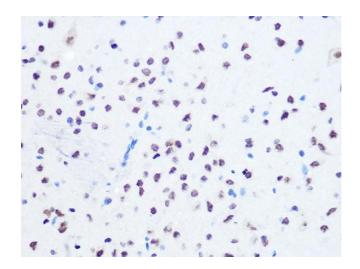
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

-20 °C

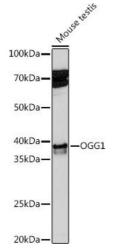
Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.



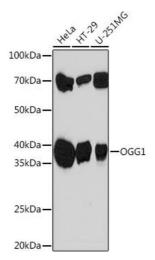
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat brain using OGG1 Rabbit mAb (ABIN7265349) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse testis, using OGG1 Rabbit mAb (ABIN7265349) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using OGG1 Rabbit mAb (ABIN7265349) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.