



Product datasheet

Anti-Ogg1 antibody ab233214

[4 Images](#)

Overview

Product name	Anti-Ogg1 antibody
Description	Rabbit polyclonal to Ogg1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human, Pig
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Human Ogg1 aa 1 to the C-terminus. (Expressed in E.coli). Database link: O15527
	 Run BLAST with  Run BLAST with
Positive control	WB: Pig heart and kidney lysate; Recombinant human Ogg1 protein. IHC-P: Human brain and liver tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab233214 in the following tested applications.

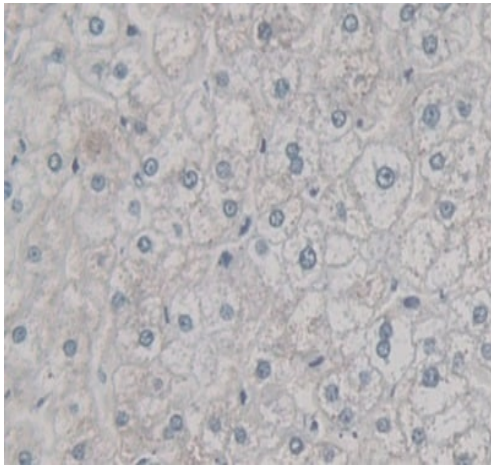
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 39 kDa.

Target

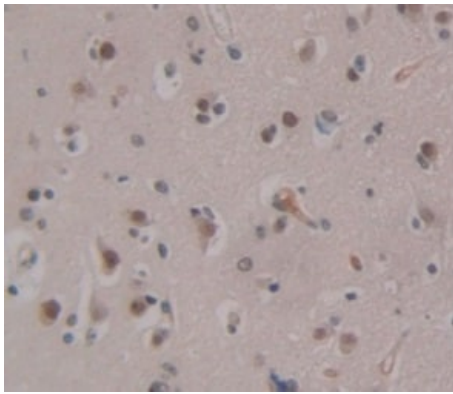
Function	DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.
Tissue specificity	Ubiquitous.
Involvement in disease	Defects in OGG1 may be a cause of renal cell carcinoma (RCC) [MIM:144700]. It is a heterogeneous group of sporadic or hereditary carcinoma derived from cells of the proximal renal tubular epithelium. It is subclassified into clear cell renal carcinoma (non-papillary carcinoma), papillary renal cell carcinoma, chromophobe renal cell carcinoma, collecting duct carcinoma with medullary carcinoma of the kidney, and unclassified renal cell carcinoma.
Sequence similarities	Belongs to the type-1 OGG1 family.
Cellular localization	Mitochondrion; Nucleus and Nucleus > nucleoplasm. Nucleus speckle. Nucleus matrix. Together with APEX1 is recruited to nuclear speckles in UVA-irradiated cells.

Images



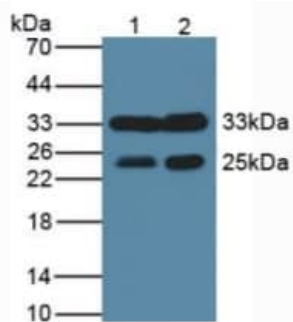
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ogg1 antibody (ab233214)

Formalin-fixed, paraffin-embedded human liver tissue stained for Ogg1 using ab233214 at 30 µg/mL in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ogg1 antibody (ab233214)

Formalin-fixed, paraffin-embedded human brain tissue stained for Ogg1 using ab233214 at 20 µg/mL in immunohistochemical analysis. DAB staining.



Western blot - Anti-Ogg1 antibody (ab233214)

All lanes : Anti-Ogg1 antibody (ab233214) at 2 µg/ml

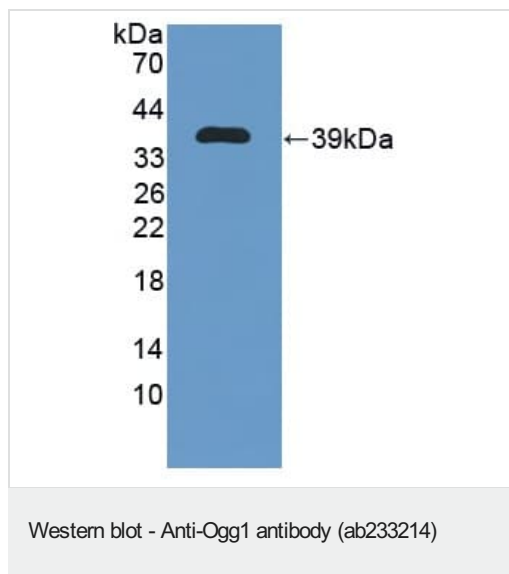
Lane 1 : Pig heart lysate

Lane 2 : Pig kidney lysate

Secondary

All lanes : HRP-Linked Guinea pig anti-rabbit at 1/1000 dilution

Predicted band size: 39 kDa



Anti-Ogg1 antibody (ab233214) at 2 µg/ml + Recombinant human Ogg1 protein

Predicted band size: 39 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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