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Datasheet for ABIN390918
anti-OGG1 antibody (C-Term)

2 Images

Overview

| | |
|----------------------|-----------------------|
| Quantity: | 400 µL |
| Target: | OGG1 |
| Binding Specificity: | AA 318-345, C-Term |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB) |

Product Details

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|---------------|--|
| Immunogen: | This OGG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 318-345 amino acids from the C-terminal region of human OGG1. |
| Clone: | RB21522 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|--|
| Target: | OGG1 |
| Alternative Name: | OGG1 (OGG1 Products) |
| Background: | OGG1 is 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. |

Target Details

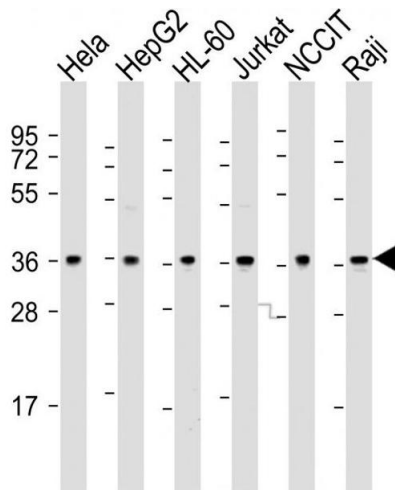
| | |
|-------------------|--|
| Molecular Weight: | 38782 |
| NCBI Accession: | NP_002533 , NP_058212 , NP_058213 , NP_058214 , NP_058434 , NP_058436 , NP_058437 , NP_058438 |
| UniProt: | O15527 |
| Pathways: | DNA Damage Repair |

Application Details

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|--------------------|------------------------|
| Application Notes: | WB: 1:1000. WB: 1:2000 |
| Restrictions: | For Research Use only |

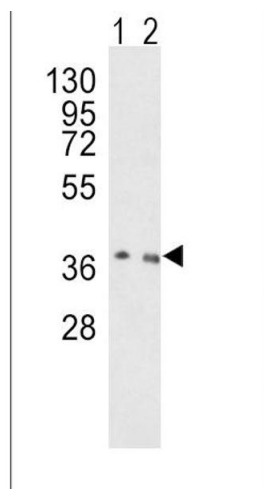
Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid freeze-thaw cycles. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots. |
| Expiry Date: | 6 months |



Western Blotting

Image 1. All lanes : Anti-OGG1 Antibody (C-term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: HL-60 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: NCCIT whole cell lysate Lane 6: Raji whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 2. Western blot analysis of OGG1 Antibody (C-term) (ABIN390918 and ABIN2841121) in HeLa(lane 1), NIH-3T3(lane 2) cell line lysates (35 µg/lane). OGG1 (arrow) was detected using the purified Pab.