

Datasheet for ABIN6989861 **anti-POLB antibody**

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Overview

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| Quantity: | 100 µL |
| Target: | POLB |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This POLB antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

Product Details

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| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-335 of human POLB (NP_002681.1). |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|--|
| Target: | POLB |
| Alternative Name: | POLB (POLB Products) |
| Background: | Synonyms: POLB |

Target Details

Background: The protein encoded by this gene is a DNA polymerase involved in base excision and repair, also called gap-filling DNA synthesis. The encoded protein, acting as a monomer, is normally found in the cytoplasm, but it translocates to the nucleus upon DNA damage. Several transcript variants of this gene exist, but the full-length nature of only one has been described to date.

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| Gene ID: | 5423 |
| UniProt: | P06746 |
| Pathways: | DNA Damage Repair |

Application Details

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 IF(ICC) 1:50-200 IHC() IF() |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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 |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |