# gamma-H2AX IHC Antibody

Rabbit Polyclonal

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| Antigen Affinity Purified | | RefSeq ID | NP_002096.1 |
| Catalog No. | IHC-00059 | Uniprot ID | P16104 |
| Lot No. | 10 | GeneID | 3014 |

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| **APPLICATIONS** | IHC, ICC |
| **SPECIES REACTIVITY** | Human, Mouse |
| **PRESUMED REACTIVITY** | Based on 100% sequence identity, this antibody is predicted to react with Bovine, Dog, Rabbit, Pig, Monkey, Gorilla, Little brown bat, Thirteen-lined ground squirrel and Chinese hamster |
| **AMOUNT** | 100 µl |
| **CONCENTRATION** | 100 µg/ml |
| **STORAGE/SHELF LIFE** | 2 - 8°C / 1 year from date of receipt |
| **PHYSICAL STATE** | Liquid |
| **BUFFER** | Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| **ISOTYPE** | IgG |
| **ORIGIN** | USA |
| **PRODUCTION PROCEDURES** | Antibody was affinity purified using an epitope specific to gamma-H2AX immobilized on solid support.<br><br>The epitope recongized by IHC-00059 maps to a region surrounding phosphorylated serine 139 of human histone H2AX using the numbering given for Swiss-Prot entry P16104 (GeneID 3014). |
| **APPLICATIONS** | Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. |

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| Immunohistochemistry | 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. |
| Immunocytochemistry | 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. |

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| **APPLICATION NOTES** | Formalin-Fixed Paraffin-Embedded Tissue 1:100 - 1:500:<br><br>Epitope exposure is recommended.<br><br>Epitope exposure with citrate buffer will enhance staining.<br><br>Formaldehyde-Fixed Cells 1:100 - 1:500:<br><br>Permeabilization with Triton-X 100 is recommended.<br><br>Likely to work with frozen sections. |
| **IHC HUMAN CONTROLS** | Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Testicular Seminoma |
| **IHC MOUSE CONTROLS** | Renal Cell Carcinoma, Squamous Cell Carcinoma |
| **ADDITIONAL INFO** | Please visit our website for additional product information. |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: December 1, 2025



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