# gamma-H2AX Recombinant Monoclonal Antibody [BLR053F]

Rabbit Recombinant Monoclonal

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|---|---|---|---|
| Purified | | RefSeq ID | NP_002096.1 |
| Catalog No. | A700-053 | Uniprot ID | P16104 |
| Lot No. | 4 | GeneID | 3014 |

**APPLICATIONS** WB, IP, IHC, ICC, IHC-IF, Flow Cyt

**SPECIES REACTIVITY** Human, Mouse

**AMOUNT** 100 µl

**CONCENTRATION** 100 µg/ml

**STORAGE/SHELF LIFE** 2 - 8°C / 1 year from date of receipt

**PHYSICAL STATE** Liquid

**BUFFER** Phosphate Buffered Saline (PBS) with 0.1% BSA and 0.09% Sodium Azide

**ISOTYPE** IgG

**CLONE #** BLR053F

**ORIGIN** USA

**PRODUCTION PROCEDURES** Recombinant antibody was purified from cell culture supernatant.

Immunogen was a peptide surrounding phosphorylated serine 140 of human histone H2AX using the numbering given in entry NP_002096.1 (Gene ID 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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|---|---|
| Western Blot | 1:1000 |
| Immunoprecipitation | 20 µl/mg lysate |
| Immunohistochemistry | 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. |
| Immunocytochemistry | 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. |
| Immunofluorescence (IHC) | 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. |
| Flow Cytometry | Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 x 10^6 cells. |

**APPLICATION NOTES** All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight.

Western blots of cell lysates are performed using Goat anti-Rabbit IgG Heavy and Light Chain Antibody (A120-101P).

Western blots of immunoprecipitates are performed using an anti-Rabbit IgG Light Chain HRP-conjugated antibody with 5% Normal Pig Serum (S100-020) added to the blocking buffer.

**IHC HUMAN CONTROLS** Basal Cell Carcinoma, Breast Carcinoma, Liver Carcinoma, Lung Carcinoma, Ovarian Carcinoma, 786-O Cells, HeLa Cells, NCI-H460 Cells, OVCAR-4 Cells

**IHC MOUSE CONTROLS** Colon Carcinoma, Renal Cell Carcinoma, CT26 cells, F9 Cells

**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.

Date: September 11, 2026



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