gamma-H2AX Recombinant Monoclonal Antibody [BLR053F]

Rabbit Recombinant Monoclonal

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

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

SPECIES REACTIVITY Human, Mouse

AMOUNT 20 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.

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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