gamma-H2AX Recombinant Monoclonal Antibody [BLR053F]

Rabbit Recombinant Monoclonal

Purified		RefSeq ID	NP_002096.1
Catalog No.	A700-053	Uniprot ID	P16104
Lot No.	3	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 Borate Buffered Saline (BBS) pH 8.2 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 Goat anti-Rabbit Light Chain HRP Conjugate (A120-113P) 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.

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