Phospho Histone H3 (S10) Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A301-844A

Lot No. A301-844A-1

Protein ID NP_003520.1

GeneID 8350

APPLICATIONS	WB, IHC, ICC-IF, F
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, D. melanogaster, Zebrafish, X. laevis, X. tropicalis, Chicken, Bovine, Rabbit, Pig and Orangutan
AMOUNT	100 µl
CONCENTRATION	200 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 Phospho Histone H3 (Ser10) immobilized on solid support. Immunogen for A301-844A was a synthetic phosphorylated peptide, which represented a portion of human Histone H3 surrounding serine 10 according to the numbering given in entry NP_003520.1 (GeneID 8350). Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
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	1:5,000 - 1:10,000
Immunohistochemistry	1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Immunofluorescence (ICC)	1:2,000 - 1:10,000. Formaldehyde fixation and permeabilization with Triton-X 100 is recommended. Acetone fixation may adversely effect staining.
Flow Cytometry	0.4 µg per 1 X 10^6 cells in a 150 µl volume

APPLICATION NOTES	Western blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE.
IHC HUMAN CONTROLS	Colon Carcinoma, Ovarian Carcinoma, HeLa Cells
IHC MOUSE CONTROLS	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.

Eric McIntush, PhD | Chief Scientific Officer

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