

H2AX Antibody

Goat Polyclonal

Antigen Affinity Purified

Protein ID P16104

Catalog No. A303-837A

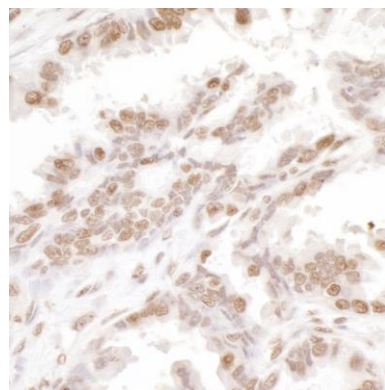
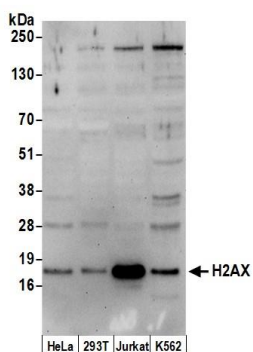
GeneID 3014

Lot No. A303-837A-2



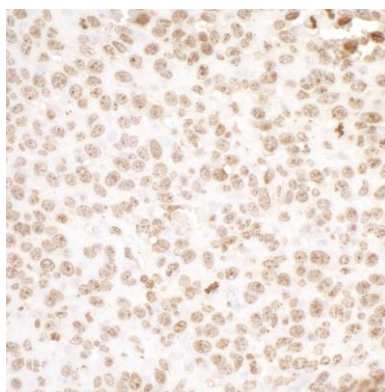
APPLICATIONS	WB, IHC						
SPECIES REACTIVITY	Human, Mouse						
AMOUNT	100 µl						
CONCENTRATION	1000 µg/ml						
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt						
PHYSICAL STATE	Liquid						
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide						
ISOTYPE	IgG						
ORIGIN	USA						
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to H2AX immobilized on solid support.</p> <p>The epitope recognized by A303-837A maps to the C-terminus of human Histone H2AX using the numbering given in entry P16104 (GeneID 3014).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>						
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:2,000 - 1:1,0000</td></tr><tr><td>Immunoprecipitation</td><td>Not recommended</td></tr><tr><td>Immunohistochemistry</td><td>1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	1:2,000 - 1:1,0000	Immunoprecipitation	Not recommended	Immunohistochemistry	1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
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APPLICATION NOTES	Western blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE.						
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma						
IHC MOUSE CONTROLS	Colon Carcinoma CT26, Hybridoma Tumor, Renal Cell Carcinoma, Teratoma						
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A303-837A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p>						

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 Date: June 21, 2019



Detection of human H2AX by western blot. *Samples:* Whole cell lysate (50 μ g) from HeLa, HEK293T, Jurkat, and K-562 cells prepared using RIPA lysis buffer. *Antibody:* Affinity purified goat anti-H2AX antibody A303-837A (lot A303-837A-2) used for WB at 0.1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

Detection of human H2AX by immunohistochemistry. *Sample:* FFPE section of human ovarian cancer. *Antibody:* Affinity purified goat anti-H2AX (Cat. No. A303-837A lot 2) used at a dilution of 1:5,000 (0.2 μ g/ml). *Detection:* DAB



Detection of mouse H2AX by immunohistochemistry. *Sample:* FFPE section of mouse CT26 colon carcinoma. *Antibody:* Affinity purified goat anti-H2AX (Cat. No. A303-837A lot 2) used at a dilution of 1:1,000 (1 μ g/ml). *Detection:* DAB