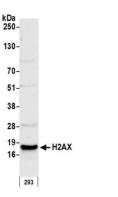
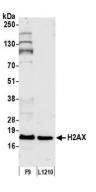
## H2AX Antibody

Rabbit Polyclonal Antigen Affinity Purified			Protein ID	P16104		
Catalog No. A300–083A		GenelD	3014			
Lot No.	A300-0	083A-5			BETHYL LABORATORIES, INC	
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		Antibody was affinity purified using an epitope specific to H2AX immobilized on solid support.				
PROCEDURES		The epitope recognized by A300–083A maps to the C–terminus of human histone H2AX using the numbering given for Swiss–Prot entry P16104 (GeneID 3014).				
		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	1:2	2,000 – 1:10,000		
		Immunohistoch		00 to 1:2,000. Epitope retrieval with citrate ommended for FFPE tissue sections.	e buffer pH6.0 is	
APPLICATION NOTES West		Western blot of	/estern blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE.			
IHC HUMAN CONTROLS Brea		Breast Carcinom	reast Carcinoma, Ovarian Carcinoma, Testicular Seminoma			
ADDITIONAL INFO		https://www.bethyl.com/product/A300-083A Use the link above to view SDS, a current list of citations, and other product specific information.				

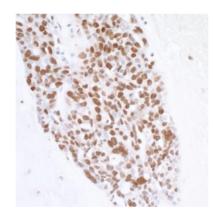
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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Detection of human H2AX by western blot. Samples: Whole cell lysate (50  $\mu$ g) from HEK293T cells prepared using RIPA lysis buffer. Antibody: Affinity purified rabbit anti-H2AX antibody A300-083A (lot A300-083A-5) used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 10 seconds. Detection of mouse H2AX by western blot. Samples: Whole cell lysate (50  $\mu$ g) from F9 and L1210 cells prepared using RIPA lysis buffer. Antibody: Affinity purified rabbit anti-H2AX antibody A300-083A (lot A300-083A-5) used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



**Detection of human H2AX by immunohistochemistry.** *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-H2AX (Cat. No. A300-083A Lot 5) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB