Phospho MCM2 (S41) Antibody

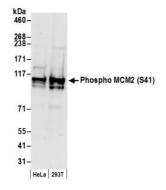
Rabbit Polyclonal						
Antigen Affinity Purified			rotein ID	NP_004517.2		
Catalog No. A300–117A			enelD	4171		
Lot No.	A300-				LABORATORIES, INC	
APPLICATIONS		WB, IHC				
SPECIES REACTIVITY		Human, Mouse				
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with X. laevis and X. tropicalis 100 µl				
AMOUNT CONCENTRATION		100 μg/ml				
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt				
PHYSICAL STATE						
BUFFER		Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide				
ISOTYPE		IgG				
ORIGIN		USA				
PRODUCTION PROCEDURES		Antibody was affinity purified using a synthetic peptide representing phosphorylation at Serine 41 and surrounding residues of MCM2 immobilized on solid support.				
		Immunogen for A300-117A was a synthetic phosphorylated peptide, which represented a portion of human Minichromosomal Maintenance Deficient 2 surrounding Serine 41 according to the numbering given in entry NP_0045117.2 (GeneID 4171).				
		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 - 1:20,000		
		Immunohistochen		,000 – 1:5,000. Epitope retrieva ommended for FFPE tissue sect		
APPLICATION NOTES Western bl		Western blot of lys	plot of lysates performed using standard western blot reagents and 4–8% SDS-PAGE.			
IHC HUMAN CO	ONTROLS	Breast Carcinoma, Colon Carcinoma, Laryngeal Squamous Cell Carcinoma, Small Cell Lung Cancer				
IHC MOUSE CO	NTROLS	Squamous Cell Carcinoma				
ADDITIONAL INFO		https://www.bethyl.com/product/A300-117A 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

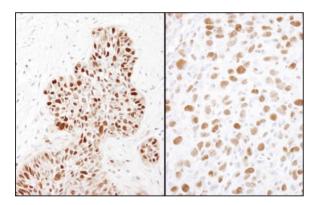
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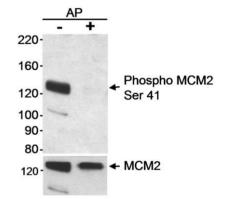
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Detection of human Phospho MCM2 (S41) by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Phospho MCM2 (S41) antibody A300-117A (lot A300-117A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human and mouse MCM2 (Ser41) by immunohistochemistry. *Sample:* FFPE section of human laryngeal squamous cell carcinoma (left) and mouse squamous cell carcinoma (right). *Antibody:* Affinity purified rabbit anti- MCM2 (Ser41) (Cat. No. A300-117A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB



Detection of human Phospho MCM2 (Ser41) by western blot. *Samples:* Whole cell lysate (30 μ g) from HeLa cells that were either untreated or treated with alkaline phosphatase (AP). *Antibodies:* Affinity purified rabbit antiphospho MCM2 (Ser41) antibody A300–117A used at 0.1 μ g/ml. After probing with the phospho-specific antibodies, rabbit anti-MCM2 antibody A300–191A was used at 0.2 μ g/ml to show total MCM2. *Detection:* Chemiluminescence with a 1 minute exposure.

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