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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Phospho RNA Polymerase II (S2) Antibody

Rabbit Polyclonal

Antigen Affinity Purified	RefSeq ID	NP_000928.1
Catalog No. A300-654A-T	Uniprot ID	P24928
Lot No. 4	GeneID	5430

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with D. melanogaster
AMOUNT	10 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 RNA Polymerase II (S2) immobilized on solid support.

Immunogen for A300-654A-T was a phosphorylated synthetic peptide, which represented a portion of human RNA Polymerase II (GeneID 5430) around serine 2 of the C-terminal repeat YSPTSPS.

Immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4.

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 1:2000 – 1:10,000 (3–8% Tris-acetate gel recommended)
	Immunoprecipitation 6 µg/mg lysate
	Immunohistochemistry 1:100 to 1:400. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

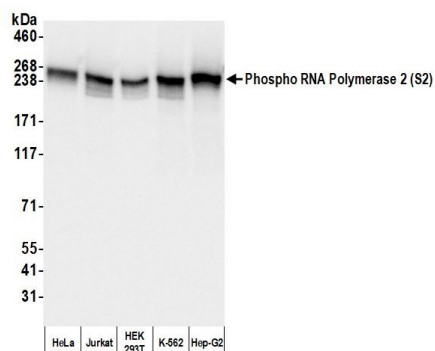
IHC HUMAN CONTROLS Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma

IHC MOUSE CONTROLS Renal Cell Carcinoma, Squamous Cell Carcinoma, Teratoma

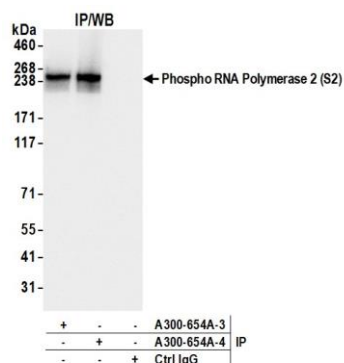
ADDITIONAL INFO <https://www.fortislifesciences.com/p/A300-654A-T>

Use the link above to view SDS, a current list of citations, and other product specific information.

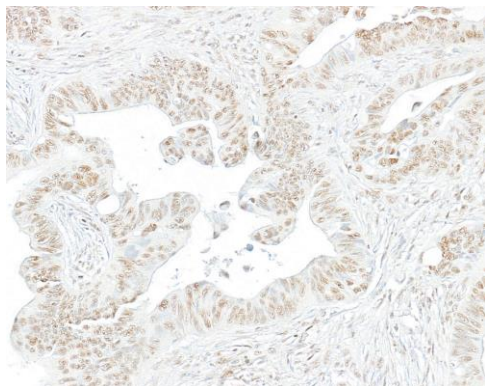
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: April 3, 2024



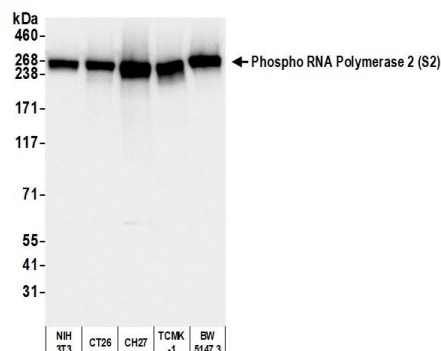
Detection of human Phospho RNA Polymerase II (S2) by western blot. *Samples:* Whole cell lysate (10 µg) from HeLa, Jurkat, HEK293T, K-562, and Hep-G2 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (A300-654A lot 4) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



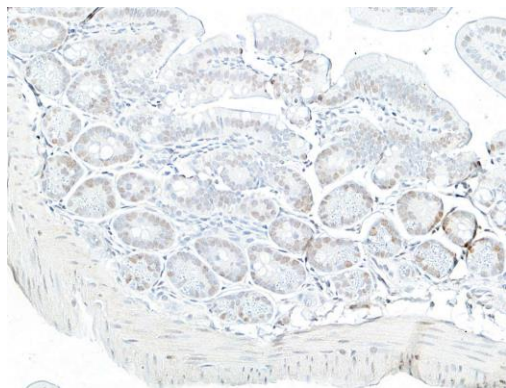
Detection of human Phospho RNA Polymerase II (S2) by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg per IP; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (A300-654A lot 4) used for IP at 6 µg per reaction. Phospho RNA Polymerase 2 (S2) was also immunoprecipitated by a previous lot of this antibody (A300-654A lot 3). For blotting immunoprecipitated Phospho RNA Polymerase 2 (S2), A300-654A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



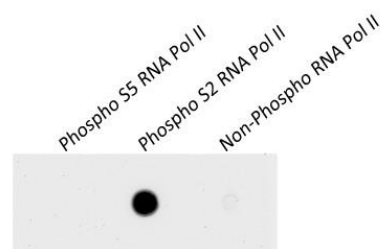
Detection of human Phospho RNA Polymerase II (S2) by immunohistochemistry. *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-Phospho-RNA Polymerase II (S2) (A300-654A). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of mouse Phospho RNA Polymerase II (S2) by western blot. *Samples:* Whole cell lysate (10 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (A300-654A lot 4) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of mouse Phospho RNA Polymerase II (S2) by immunohistochemistry. *Sample:* FFPE section of mouse intestine. *Antibody:* Affinity purified rabbit anti-Phospho-RNA Polymerase II (S2) (A300-654A). Secondary: HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of Phospho RNA Polymerase II (S2) by peptide dot blot analysis. *Samples:* 5ug RNA Pol II peptides corresponding to phospho S5, phospho S2, and non-phosphorylated RNA Pol II. *Antibody:* Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (A300-654A lot 4) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 min.