

# Aurora A Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_003591.2

Catalog No. A300-071A

GeneID 6790

Lot No. A300-071A-2



**APPLICATIONS** WB, IP

**SPECIES REACTIVITY** Human

**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** Antibody was affinity purified using an epitope specific to Aurora A immobilized on solid support.

The epitope recognized by A300-071A maps to a region between residues 75 and 125 of human Aurora A Kinase using the numbering given in entry NP\_003591.2 (GeneID 6790).

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 1:2,000 – 1:10,000

Immunoprecipitation 2 – 5 µg/mg lysate

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

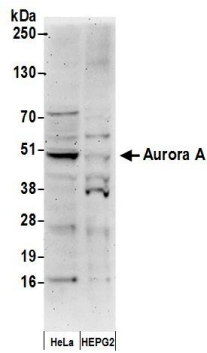
Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-071A>

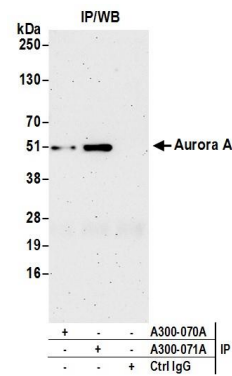
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

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 Aurora A by western blot.** *Samples:* Whole cell lysate (50 µg) from HeLa and Hep-G2 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Aurora A antibody A300-071A (lot A300-071A-2) used for WB at 0.2 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



**Detection of human Aurora A by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Aurora A antibody A300-071A (lot A300-071A-2) used for IP at 3 µg per reaction. Aurora A was also immunoprecipitated by rabbit anti-Aurora A antibody A300-070A. For blotting immunoprecipitated Aurora A, A300-071A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.