

Aurora B Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID Q96GD4

Catalog No. A300-431A

GeneID 9212

Lot No. A300-431A-2



APPLICATIONS WB, IP, ICC-IF

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 B immobilized on solid support.

The epitope recognized by A300-431A maps to a region between residue 300 and the C-terminus (residue 344) of human Aurora B kinase using the numbering given in Swiss-Prot entry Q96GD4 (GeneID 9212).

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 - 10 µg/mg lysate

Immunofluorescence (ICC) 1:500 - 1:2,000

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.

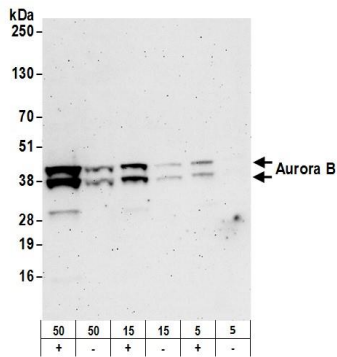
ADDITIONAL INFO <https://www.bethyl.com/product/A300-431A>

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

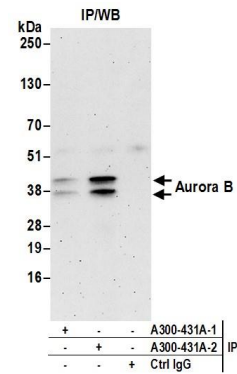
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

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

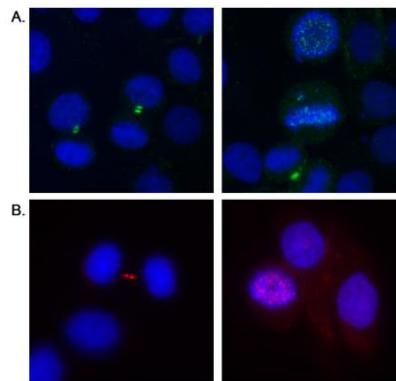
Date: June 21, 2019



Detection of human Aurora B by western blot. *Samples:* Whole cell lysate (50, 15, 5 μ g) from HeLa cells treated with nocodazole (+) or mock treated (-). *Antibody:* Affinity purified rabbit anti-Aurora B antibody A300-431A (lot A300-431A-2) used for WB at 0.1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human Aurora B by western blot of immunoprecipitation. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from nocodazole treated HeLa cells. *Antibody:* Affinity purified rabbit anti-Aurora B antibody A300-431A (Lot. No. A300-431A-2) used at 0.1 μ g/ml. Aurora B was also immunoprecipitated by a previous lot of this antibody (lot A300-431A-1). *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human Aurora B by immunocytochemistry. *Samples:* Asynchronous HeLa cells. *Antibody:* Affinity purified rabbit anti-Aurora B antibody BL1075 (Cat. No. A300-431A) used at 0.5 μ g/ml in A and at 2 μ g/ml in B. *Detection:* Secondary antibodies were anti-rabbit IgG conjugated to FITC in A and conjugated to Texas Red in B.