

Aurora B Antibody

Rabbit Polyclonal

Antigen Affinity Purified	RefSeq ID	NP_004208.2
Catalog No. A300-431A-T	Uniprot ID	Q96GD4
Lot No. 2	GeneID	9212

APPLICATIONS WB, IP, ICC-IF

SPECIES REACTIVITY Human

AMOUNT 10 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-T 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 using Beer's Law where 1mg/mL IgG has an A280 of 1.4.

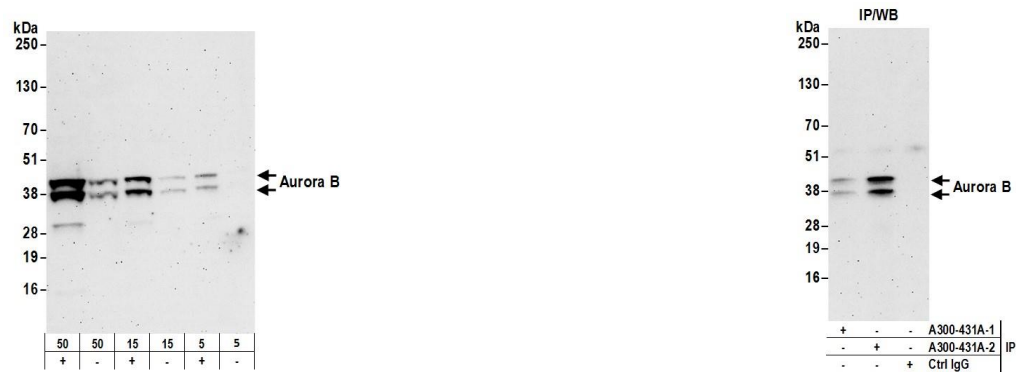
APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2000 – 1:10,000
Immunoprecipitation	6 µg/mg lysate
Immunofluorescence (ICC)	1:500 – 1:2000

ADDITIONAL INFO <https://www.fortislife.com/p/A300-431A-T>

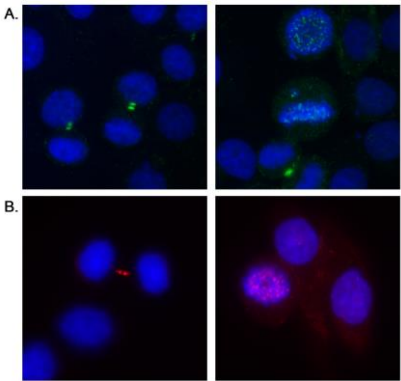
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This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: January 8, 2024



Detection of human Aurora B by western blot. *Samples:* Whole cell lysate (50, 15, 5 µg) 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 µg/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 µg/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 µg/ml in A and at 2 µg/ml in B. *Detection:* Secondary antibodies were anti-rabbit IgG conjugated to FITC in A and conjugated to Texas Red in B.