

Aurora B Rabbit mAb

Catalog No.: A19539

Recombinant

5 Publications

Basic Information

Observed MW

39kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50905

Background

This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:100 - 1:500
IF/ICC	1:100 - 1:1000

Immunogen Information

Gene ID

9212

Swiss Prot

Q96GD4

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Aurora B (NP_004208.2).

Synonyms

AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1; ARK-2; STK-1; STK12; PPP1R48; aurkb-sv1; aurkb-sv2; Aurora B

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

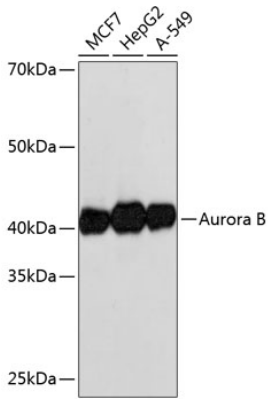
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Aurora B antibody (A19539) at 1:1000 dilution.

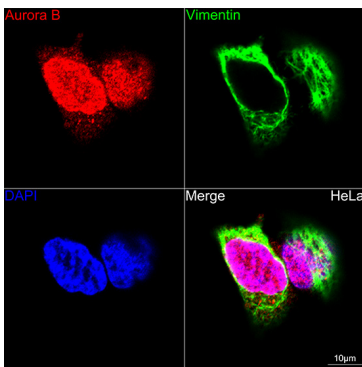
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

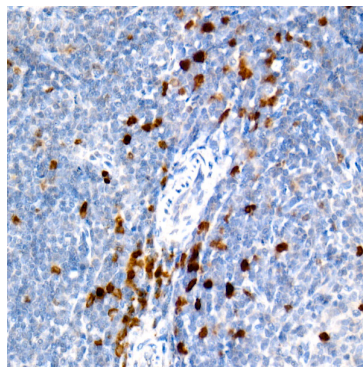
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

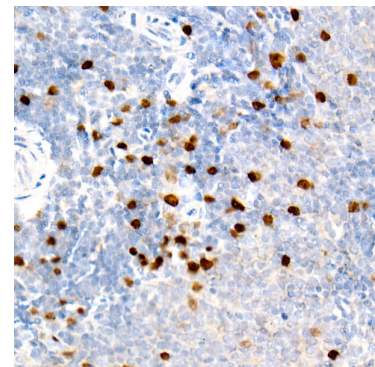
Exposure time: 3min.



Confocal imaging of HeLa cells using Aurora B Rabbit mAb (A19539, dilution 1:800) (Red). The cells were counterstained with Vimentin Rabbit mAb (A19607, dilution 1:100) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunohistochemistry analysis of Aurora B in paraffin-embedded mouse spleen tissue using Aurora B Rabbit mAb (A19539) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Aurora B in paraffin-embedded rat spleen tissue using Aurora B Rabbit mAb (A19539) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.