

Anti-Aurora B antibody [AURKB/1521] ab218339

1 References [画像数 1](#)

製品の概要

製品名	Anti-Aurora B antibody [AURKB/1521]
製品の詳細	Mouse monoclonal [AURKB/1521] to Aurora B
由来種	Mouse
アプリケーション	適用あり: WB
種交差性	交差種: Human, Recombinant fragment
免疫原	Recombinant fragment within Human Aurora B aa 89-251. The exact sequence is proprietary. Database link: Q96GD4
ポジティブ・コントロール	WB: Recombinant Aurora B protein; Human liver lysate.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99% PBS
精製度	Protein A/G purified
ポリ/モノ	モノクローナル
クローン名	AURKB/1521
アイソタイプ	IgG2b

アプリケーション

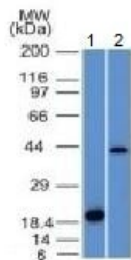
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アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 39 kDa.

ターゲット情報

機能	May be directly involved in regulating the cleavage of polar spindle microtubules and is a key regulator for the onset of cytokinesis during mitosis. Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Phosphorylates 'Ser-10' and 'Ser-28' of histone H3 during mitosis. Required for kinetochore localization of BUB1 and SGOL1. Interacts with INCENP.
組織特異性	High level expression seen in the thymus. It is also expressed in the spleen, lung, testis, colon, placenta and fetal liver. Expressed during S and G2/M phase and expression is up-regulated in cancer cells during M phase.
関連疾患	Note=Disruptive regulation of expression is a possible mechanism of the perturbation of chromosomal integrity in cancer cells through its dominant-negative effect on cytokinesis.
配列類似性	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Aurora subfamily. Contains 1 protein kinase domain.
翻訳後修飾	Ubiquitinated by different BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complexes. Ubiquitinated by the BCR(KLHL9-KLHL13) E3 ubiquitin ligase complex, ubiquitination leads to removal from mitotic chromosomes and is required for cytokinesis. During anaphase, the BCR(KLHL21) E3 ubiquitin ligase complex recruits the CPC complex from chromosomes to the spindle midzone and mediates the ubiquitination of AURKB. Ubiquitination of AURKB by BCR(KLHL21) E3 ubiquitin ligase complex may not lead to its degradation by the proteasome.
細胞内局在	Nucleus. Chromosome. Chromosome > centromere. Cytoplasm > cytoskeleton > spindle. Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalized with gamma tubulin in the mid-body.

画像



Western blot - Anti-Aurora B antibody
[AURKB/1521] (ab218339)

All lanes : Anti-Aurora B antibody [AURKB/1521] (ab218339) at 1 μ g/ml

Lane 1 : recombinant Aurora B protein

Lane 2 : Human liver lysate

Predicted band size: 39 kDa

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