

Product Datasheet

Aurora B Antibody (3F11) - BSA Free NBP2-50039

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-50039

Aurora B Antibody (3F11) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3F11
Preservative	5mM Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	38 kDa

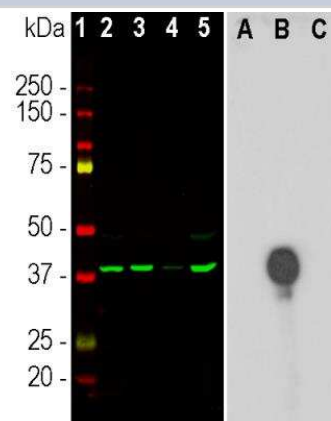
Product Description	
Description	Novus Biologicals Mouse Aurora B Antibody (3F11) - BSA Free (NBP2-50039) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Aurora B Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9212
Gene Symbol	AURKB
Species	Human, Mouse, Rat, Canine, Equine
Specificity/Sensitivity	This antibody does not cross-react with Aurora A or Aurora C.
Immunogen	Full length recombinant human aurora B protein expressed in and purified from E. coli.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Proximity Ligation Assay
Application Notes	Use in PLA reported in scientific literature (PMID:35853811).

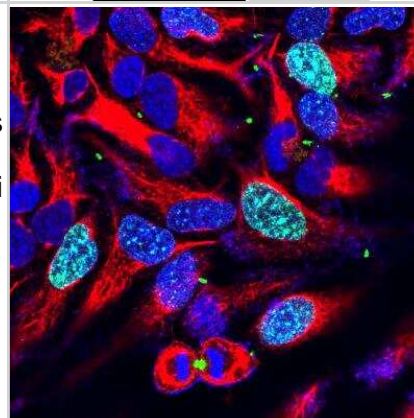


Images

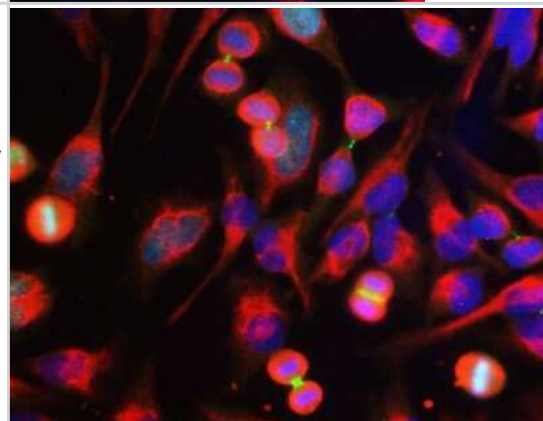
Western Blot: Aurora B Antibody (3F11) [NBP2-50039] - Analysis of different cell lysates and recombinant protein solutions using mouse mAb to Aurora B. Left: cells were treated with 100ng/mL of nocodazol, a microtubule depolymerizing agent which induces cells to halt at G2/M phase. [1] protein standard, [2] HeLa, [3] canine A72 cells, [4] equine NBL6 cells, and [5] mouse KR158 cells. Right: Blot of purified full length recombinant human aurora A, B and C were probed with NBP2-50039. The antibody binds specifically only to aurora B and not to the closely related aurora A and C.



Immunocytochemistry/Immunofluorescence: Aurora B Antibody (3F11) [NBP2-50039] - High magnification confocal immunofluorescence of HeLa cells stained with NBP2-50039, diluted 1:1,000 in green and counterstained with antibody to vimentin at 1:1,000 dilution in red. Blue is the DNA stain DAPI revealing the nuclei. The MCA-3F11 reveals aurora B localized in midbodies, midzones of dividing cells and also in the nuclei of some cells.



Immunocytochemistry/Immunofluorescence: Aurora B Antibody (3F11) [NBP2-50039] - HeLa cell cultures were stained with NBP2-50039 (green). Aurora B stains midzones in anaphase and midbodies between the two daughter cells during telophase. It is therefore a useful marker of dividing cells. Cells were counterstained with chicken polyclonal antibody to Vimentin (NB300-223, red). Blue is a DNA stain.



Publications

Song J, Zhou Y, Yakymovych I et al. The ubiquitin-ligase TRAF6 and TGF beta type I receptor form a complex with Aurora kinase B contributing to mitotic progression and cytokinesis in cancer cells EBioMedicine 2022-07-09 [PMID: 35853811] (PLA, ICC/IF, Human)

Monroe T O, Hill M C et al. YAP Partially Reprograms Chromatin Accessibility to Directly Induce Adult Cardiogenesis In Vivo. Dev Cell 2019-03-25 [PMID: 30773489] (IF/IHC, Mouse)



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Products Related to NBP2-50039

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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