

# Product Datasheet

## Aurora A/B Antibody (3H1) - BSA Free NBP2-50043

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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**NBP2-50043**

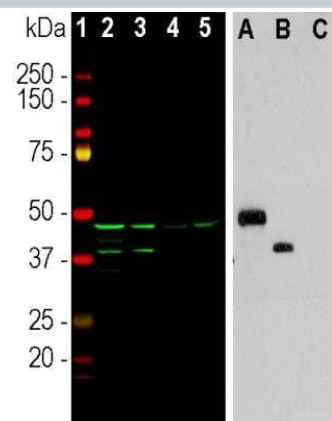
Aurora A/B Antibody (3H1) - BSA Free

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	3H1
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Product Description	
Description	Novus Biologicals Mouse Aurora A/B Antibody (3H1) - BSA Free (NBP2-50043) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody does not cross-react with Aurora C.
Immunogen	Recombinant full length human Aurora A expressed in and purified from E. coli. [UniProt# O14965]
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:500 - 1:1000
Application Notes	In WB, this antibody reacts with a band at 46 kDa corresponding to Aurora A and weakly reacts with a band at 38 kD corresponding to Aurora B. In ICC/IF, Aurora A localizes in spindle poles and mitotic spindles at anaphase, while Aurora B localizes in midzone at metaphase and concentrates on the midbody between the two daughter cells during telephase. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

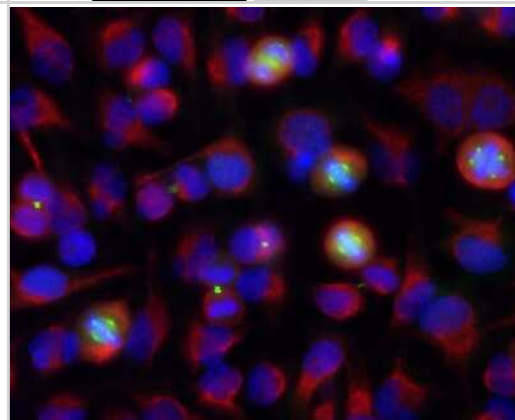


## Images

**Western Blot: Aurora A/B Antibody (3H1) [NBP2-50043]** - Analysis of different cell lysates and recombinant protein solutions using mouse Aurora A/B mAb. Left: cells were treated with 100ng/mL of nocodazol, a microtubule depolymerizing agent which induces cells to halt at G2/M phase, for 6hrs prior western blotting: [1] protein standard, [2] HeLa, [3] canine A72 cells, [4] equine NBL6 cells, and [5] murine KR158 cells. Right: western blot of purified full length human recombinant aurora A, B, C as indicated. Bands at 46kDa and 38kDa correspond to aurora A and B proteins respectively, showing that NBP2-50043 reacts with these to proteins but not aurora C.



**Immunocytochemistry/Immunofluorescence: Aurora A/B Antibody (3H1) [NBP2-50043]** - HeLa cell cultures were stained with NBP2-50043 (green). The antibody stains spindle poles and mitotic spindles at anaphase and concentrates on the midbody 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.





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### **Products Related to NBP2-50043**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

### **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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