

Product Datasheet

Aurora A/B Antibody (5A12) - BSA Free NBP2-50049

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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NBP2-50049

Aurora A/B Antibody (5A12) - 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	5A12
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	46, 38 kDa

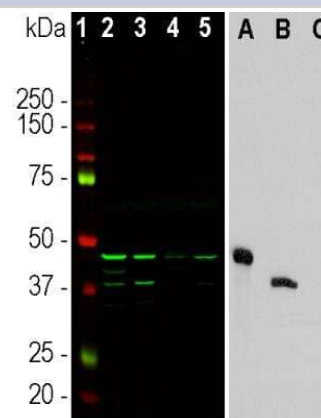
Product Description	
Description	Novus Biologicals Mouse Aurora A/B Antibody (5A12) - BSA Free (NBP2-50049) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human, Mouse, Rat, Canine, Equine
Specificity/Sensitivity	This antibody does not cross-react with Aurora C.
Immunogen	Full length recombinant human Aurora A protein expressed in and purified from E. coli. [UniProt# O14965]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000 - 1:2000, Immunohistochemistry 1:1000 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:1000 - 1:2000
Application Notes	In WB, this antibody binds strongly to Aurora A at about 46 kDa and weakly to Aurora B at 38 kDa.

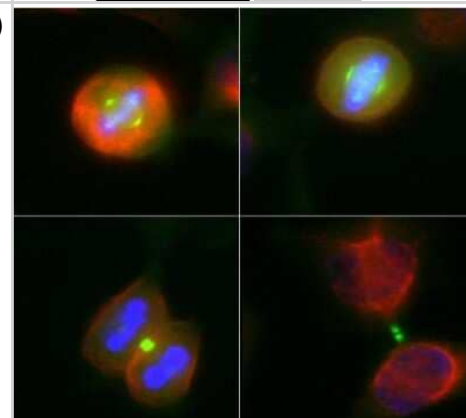


Images

Western Blot: Aurora A/B Antibody (5A12) [NBP2-50049] - Analysis of different cell lysates and recombinant protein solutions using mouse Aurora A/B mAb. Left: cells were treated with 100 ng/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: western blot of purified full length human recombinant aurora A, B, C preparations as indicated. Bands at 46kDa and 38kDa correspond to aurora A and B proteins but not C. NBP2-50049 reacts with aurora A an B but not C.



Immunocytochemistry/Immunofluorescence: Aurora A/B Antibody (5A12) [NBP2-50049] - HeLa cell cultures were stained with NBP2-50049 (green). The antibody stains spindle poles and mitotic spindles at anaphase (top 2 panels) and concentrates on the midbody between the two daughter cells during telophase (bottom 2 panels). 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 NBP2-50049

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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