

# Product Datasheet

## Aurora A Antibody (1A14) NBP2-50041SS

Unit Size: 0.025 ml

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

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**NBP2-50041SS**

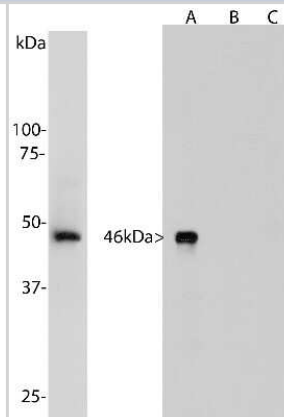
Aurora A Antibody (1A14)

<b>Product Information</b>	
<b>Unit Size</b>	0.025 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1A14
<b>Preservative</b>	0.07% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS and 50% Glycerol
<b>Target Molecular Weight</b>	46 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	6790
<b>Gene Symbol</b>	AURKA
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody does not cross-react with Aurora B or Aurora C.
<b>Immunogen</b>	Recombinant full length human Aurora A. [UniProt# O14965]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:500 - 1:1000

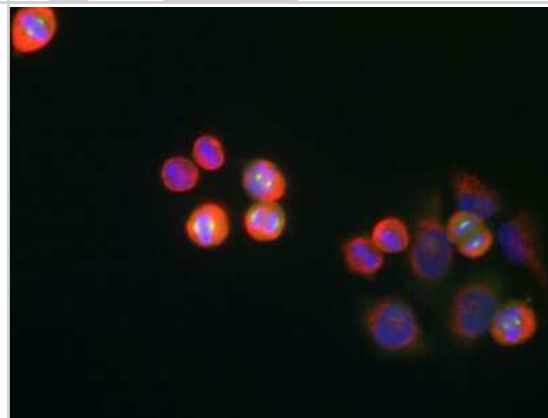


## Images

Western Blot: Aurora A Antibody (1A14) [NBP2-50041] - Left: Analysis of HeLa cells treated with 100ng/ml nocodazole for 18 h was probed with NBP2-50041. Nocodazole is a microtubule polymerization inhibitor which induces cells to halt at G2/M phase and induces Aurora A expression. NBP2-50041 binds strongly and cleanly to a band at about 46 kDa. Right: Blot of recombinant human Aurora A, B and C was probed with NBP2-50041.



Immunocytochemistry/Immunofluorescence: Aurora A Antibody (1A14) [NBP2-50041] - HeLa cell cultures stained with NBP2-50041 (green). Aurora A localizes in spindle poles and mitotic spindles at late mitosis. Counterstained is chicken polyclonal antibody against Vimentin (NB300-223, red). Blue is a DNA stain.



## Publications

Wu T, Dong J, Fu J et al. The mechanism of acentrosomal spindle assembly in human oocytes *Science* (New York, N.Y.) 2022-11-18 [PMID: 36395215]

So C, Seres K. B, et al. A liquid-like spindle domain promotes acentrosomal spindle assembly in mammalian oocytes. *Science* 2019-06-28 [PMID: 31249032]



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### **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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