

Product Datasheet

Aurora A Antibody (1A14) NBP2-50041

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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NBP2-50041

Aurora A Antibody (1A14)

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	1A14
Preservative	0.07% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS and 50% Glycerol
Target Molecular Weight	46 kDa

Product Description

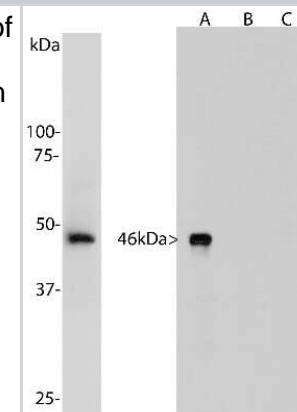
Host	Mouse
Gene ID	6790
Gene Symbol	AURKA
Species	Human
Specificity/Sensitivity	This antibody does not cross-react with Aurora B or Aurora C.
Immunogen	Recombinant full length human Aurora A. [UniProt# O14965]

Product Application Details

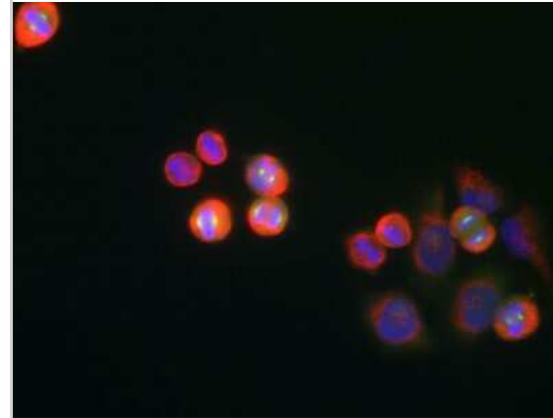
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:500 - 1:1000

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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