

Product Datasheet

Aurora A Antibody (1F8) - BSA Free NBP2-22118

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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NBP2-22118

Aurora A Antibody (1F8) - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1F8
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	48 kDa

Product Description

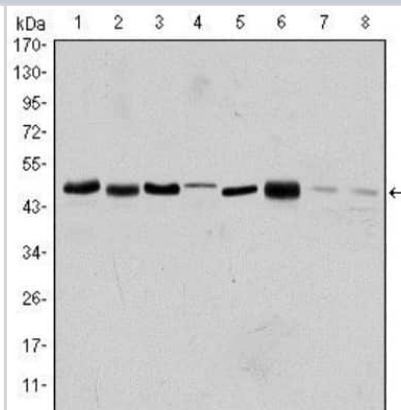
Host	Mouse
Gene ID	6790
Gene Symbol	AURKA
Species	Human, Rat, Primate
Marker	Mitosis Marker
Immunogen	Purified recombinant fragment of human Aurora A expressed in E. coli. [Uniprot: O14965]

Product Application Details

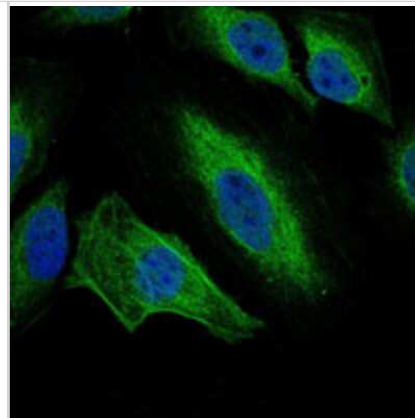
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000

Images

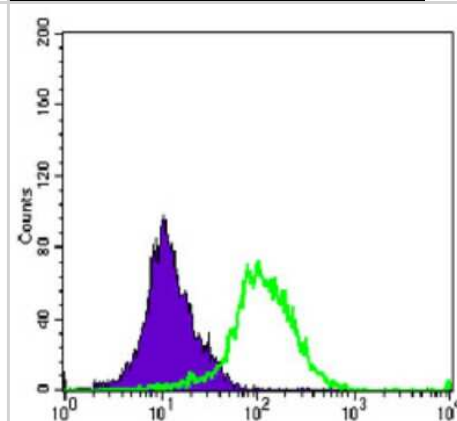
Western Blot: Aurora A Antibody (1F8) [NBP2-22118] - Analysis using Aurora A mouse mAb against HEK293 (1), Sw620 (2), MCF-7 (3), Jurkat (4), Hela (5), HepG2 (6), Cos7 (7) and PC-12 (8) cell lysates.



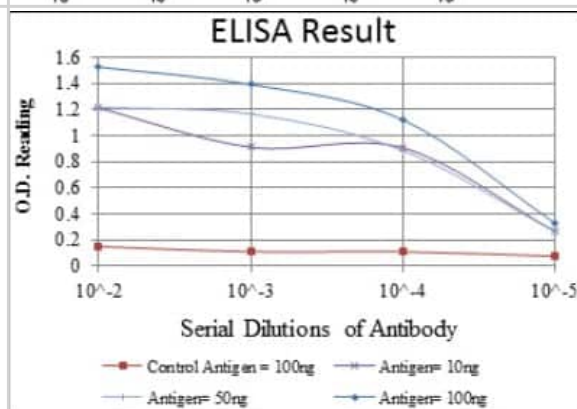
Immunocytochemistry/Immunofluorescence: Aurora A Antibody (1F8) [NBP2-22118] - Analysis of Hela cells using Aurora A mouse mAb (green). DRAQ5 fluorescent DNA dye (blue).



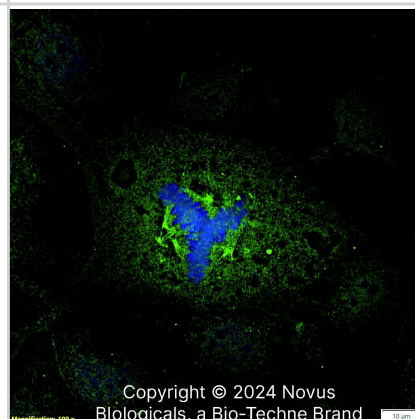
Flow Cytometry: Aurora A Antibody (1F8) [NBP2-22118] - Analysis of K562 cells using Aurora A mouse mAb (green) and negative control (purple).



ELISA: Aurora A Antibody (1F8) [NBP2-22118] - Red: Control Antigen (100ng), Purple: Antigen (10ng), Green: Antigen (50ng), Blue: Antigen (100ng).

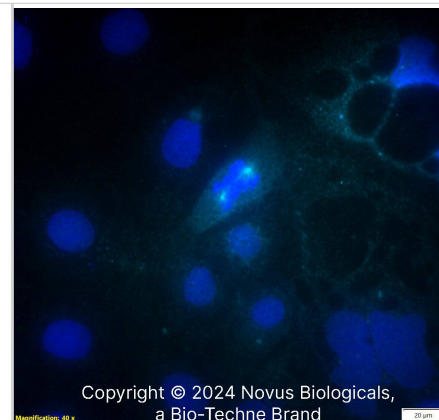


Aurora A (1F8) was detected in immersion fixed Caco-2 human colorectal adenocarcinoma cell line using Mouse anti-Aurora A (1F8) Protein G Purified Monoclonal Antibody conjugated to Alexa Fluor® 488 (Catalog # NBP2-22118AF488) (green) at 10 μ g/mL overnight at 4C. Cells were counterstained with DAPI (dark blue). Cells were imaged using a 100X objective and digitally deconvolved.



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Aurora A (1F8) was detected in immersion fixed Caco-2 human colorectal adenocarcinoma cell line using Mouse anti-Aurora A (1F8) Protein G Purified Monoclonal Antibody conjugated to Alexa Fluor® 647 (Catalog # NBP2-22118AF647) (light blue) at 10 µg/mL overnight at 4C. Cells were counterstained with DAPI (dark blue). Cells were imaged using a 40X objective.



Publications

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

Details:

Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).



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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBC1-28779	Recombinant Human Aurora A His Protein

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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