

# Product Datasheet

## Aurora A Antibody (ST46-07) NBP2-67498

Unit Size: 100 ul

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

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**NBP2-67498**

Aurora A Antibody (ST46-07)

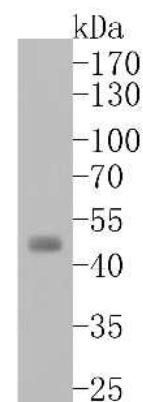
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ST46-07
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene Symbol	AURKA
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Aurora A aa 1-50 / 403. (SwissProt: O14965 Human; SwissProt: P97477 Mouse; SwissProt: P59241 Rat)

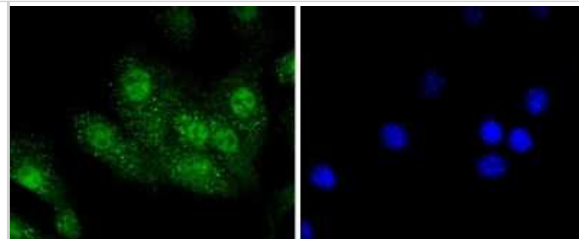
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:100, Immunohistochemistry-Paraffin 1:100-1:500

**Images**

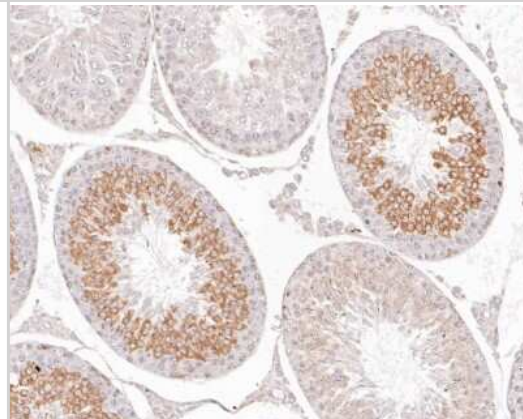
Western Blot: Aurora A Antibody (ST46-07) [NBP2-67498] - Western blot analysis of Aurora A on K562 cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-



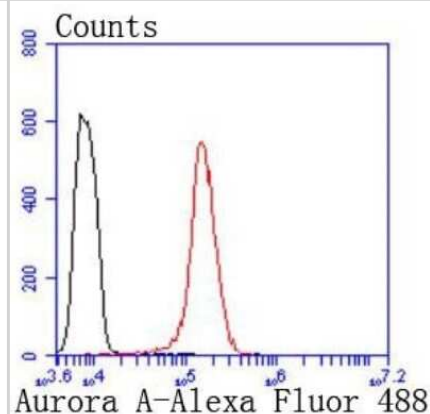
Immunocytochemistry/Immunofluorescence: Aurora A Antibody (ST46-07) [NBP2-67498] - Staining Aurora A in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



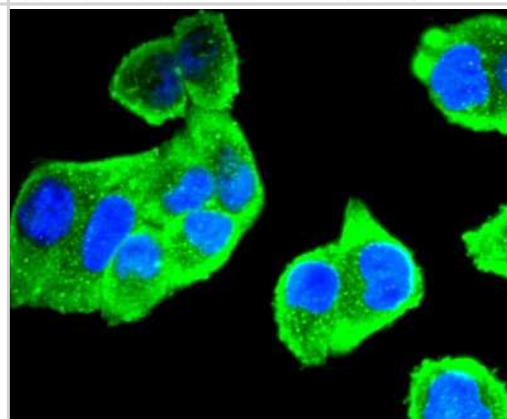
Immunohistochemistry-Paraffin: Aurora A Antibody (ST46-07) [NBP2-67498] - Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Aurora A antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (ET1609-22, 1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



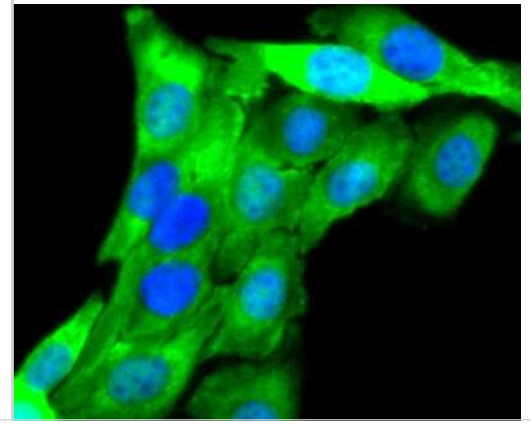
Flow Cytometry: Aurora A Antibody (ST46-07) [NBP2-67498] - Analysis of HeLa cells with Aurora A antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as secondary antibody



Immunocytochemistry/Immunofluorescence: Aurora A Antibody (ST46-07) [NBP2-67498] - Staining Aurora A in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: Aurora A Antibody (ST46-07) [NBP2-67498] - Staining Aurora A in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



## Publications

Franchini A, Vaughan K, Bhattacharya S et al. Impact of the aryl hydrocarbon receptor on Aurora A kinase and the G2/M phase pathway in hematopoietic stem and progenitor cells bioRxiv 2022-05-28 (FLOW, Mouse)



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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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