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Datasheet for ABIN2704512  
**anti-Aurora A antibody (C-Term)**

3 Images

### Overview

Quantity:	200 µL
Target:	Aurora A (AURKA)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Monkey, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aurora A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

### Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Aurora A.
Specificity:	Recognizes endogenous levels of Aurora A protein.
Characteristics:	Rabbit polyclonal antibody to Aurora A
Purification:	The antibody was purified by immunogen affinity chromatography.

### Target Details

Target:	Aurora A (AURKA)
Alternative Name:	Aurora A ( <a href="#">AURKA Products</a> )

## Target Details

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Background:	AIK, AIRK1, ARK1, AURA, AYK1, BTAK, IAK1, STK15, STK6, Aurora kinase A, Aurora 2, Aurora/IPL1-related kinase 1, ARK-1, Aurora-related kinase 1, hARK1, Breast tumor-amplified kinase, Serine/threonine-protein kinase 15, Serine/threonine-protein kinase 6, Serine/threonine-protein kinase aurora-A
Gene ID:	6790, 20878
UniProt:	<a href="#">O14965</a> , <a href="#">P97477</a> , <a href="#">P59241</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Asymmetric Protein Localization</a>

## Application Details

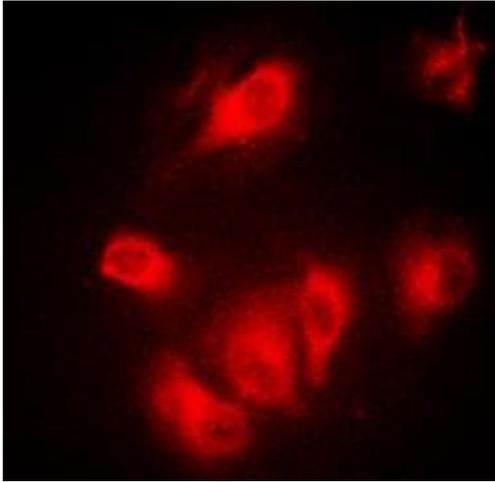
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Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

## Handling

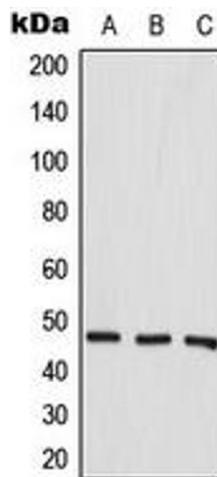
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Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



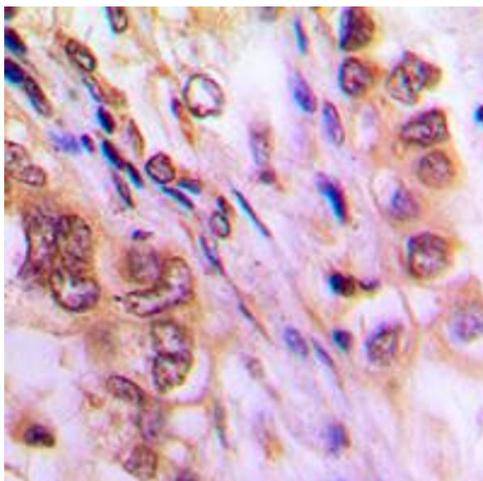
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of Aurora A staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



### Western Blotting

**Image 2.** Western blot analysis of Aurora A expression in MCF7 (A), SP2/0 (B), H9C2 (C) whole cell lysates.



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of Aurora A staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.