Datasheet for ABIN2705550

anti-Aurora A antibody (pSer288)

3 Images

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Overview

Quantity:	200 µL
Target:	Aurora A (AURKA)
Binding Specificity:	pSer288
Reactivity:	Human, Mouse, Rat, Cow, Monkey, Pig, Sheep
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 center region of human Aurora A (pT288).
Specificity:	Recognizes endogenous levels of Aurora A (pT288) protein.
Characteristics:	Rabbit polyclonal antibody to Aurora A (pT288)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	Aurora A (AURKA)
Alternative Name:	Aurora A (AURKA Products)

Target Details

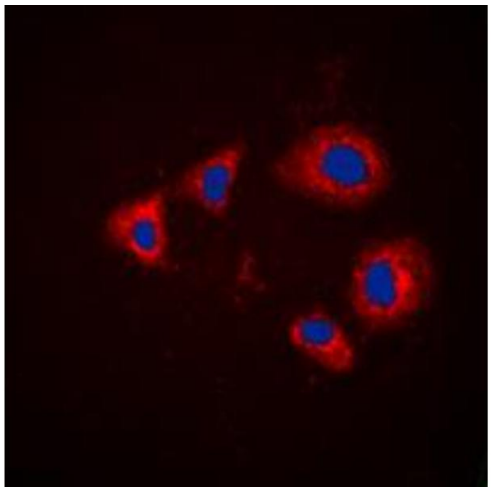
Background:	AIK, AIRK1, ARK1, AURA, AYK1, BTAK, IAK1, STK15, STK6, Aurora kinase A, Aurora 2, Aurora/IPL1-related kinase 1, ARK-1, Aurora-related kinase 1, hARK1, Breast tumor-amplified kinase, Serine/threonine-protein kinase 15, Serine/threonine-protein kinase 6, Serine/threonine-protein kinase aurora-A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

Application Details

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

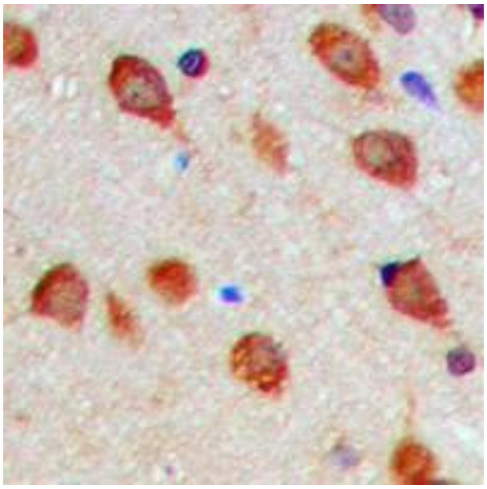
Handling

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



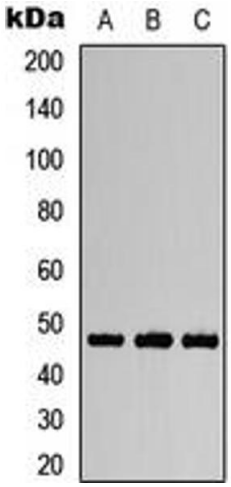
Immunofluorescence

Image 1. Immunofluorescent analysis of Aurora A (pT288) staining in HEK293T 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 hidified 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).



Immunohistochemistry

Image 2. Immunohistochemical analysis of Aurora A (pT288) staining in human brain 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 conjugad compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 3. Western blot analysis of Aurora A (pT288) expression in DLD (A), mouse brain (B), rat brain (C) whole cell lysates.