antibodies - online.com







anti-Aurora A antibody (AA 1-131)



Images



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Quantity:	100 μg	
Target:	Aurora A (AURKA)	
Binding Specificity:	AA 1-131	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Aurora A antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)	

Product Details

Immunogen:	Recombinant Human Aurora kinase A protein (1-131AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	Aurora A (AURKA)	
Alternative Name:	AURKA (AURKA Products)	
Background:	Background: Mitotic serine/threonine kinases that contributes to the regulation of cell cycle progression. Associates with the centrosome and the spindle microtubules during mitosis and	

plays a critical role in various mitotic events including the establishment of mitotic spindle, centrosome duplication, centrosome separation as well as maturation, chromosomal alignment, spindle assembly checkpoint, and cytokinesis. Required for initial activation of CDK1 at centrosomes. Phosphorylates numerous target proteins, including ARHGEF2, BORA, BRCA1, CDC25B, DLGP5, HDAC6, KIF2A, LATS2, NDEL1, PARD3, PPP1R2, PLK1, RASSF1, TACC3, p53/TP53 and TPX2. Regulates KIF2A tubulin depolymerase activity. Required for normal axon formation. Plays a role in microtubule remodeling during neurite extension. Important for microtubule formation and/or stabilization. Also acts as a key regulatory component of the p53/TP53 pathway, and particularly the checkpoint-response pathways critical for oncogenic transformation of cells, by phosphorylating and stabilizing p53/TP53. Phosphorylates its own inhibitors, the protein phosphatase type 1 (PP1) isoforms, to inhibit their activity. Necessary for proper cilia disassembly prior to mitosis.

Aliases: AIK antibody, ARK-1 antibody, ARK1 antibody, AURA antibody, Aurka antibody, Aurora 2 antibody, Aurora A antibody, Aurora kinase A antibody, Aurora-related kinase 1 antibody, Aurora/IPL1 like kinase antibody, AURORA/IPL1-like kinase antibody, Aurora/IPL1-related kinase 1 antibody, AURORA2 antibody, Breast tumor-amplified kinase antibody, BTAK antibody, hARK1 antibody, IAK antibody, IPL1 related kinase antibody, MGC34538 antibody, OTTHUMP0000031340 antibody, OTTHUMP00000031341 antibody, OTTHUMP00000031342 antibody, OTTHUMP00000031343 antibody, OTTHUMP00000031344 antibody, OTTHUMP00000031345 antibody, OTTHUMP00000166071 antibody, OTTHUMP00000166072 antibody, PPP1R47 antibody, Protein phosphatase 1, regulatory subunit 47 antibody, Serine/threonine kinase 15 antibody, Serine/threonine kinase 6 antibody, Serine/threonine-protein kinase 15 antibody, Serine/threonine-protein kinase 3 antibody, Serine/threonine-protein kinase 4 antibody, STK15 antibody, STK6_HUMAN antibody, STK7 antibody

UniProt: 014965

Pathways: Cell Division Cycle, Asymmetric Protein Localization

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

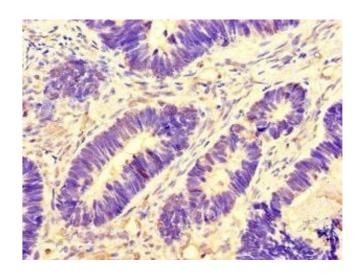
Handling

Format: Liquid

Handling

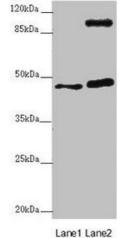
Buffer:	Preservative: 0.03 % Proclin 300	
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	

Images



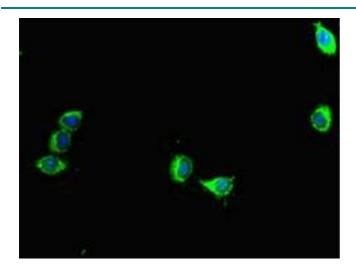
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7145075 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: AURKA antibody at $2\,\mu$ g/mL Lane 1: NIH/3T3 whole cell lysate Lane 2: HT29 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 46 kDa Observed band size: 46, 110 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of Hela cells using ABIN7145075 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)