

Datasheet for ABIN968972 anti-Aurora A antibody



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Overview

Quantity:	100 µL
Target:	Aurora A (AURKA)
Reactivity:	Human, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Aurora A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human AURKA expressed in E. coli.
Clone:	4G10
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Aurora A (AURKA)
Alternative Name:	AURKA (AURKA Products)
Background:	<p>Description: Aurora A plays a role in cell cycle regulation during anaphase and/or telophase, in relation to the function of the centrosome/spindle pole region during chromosome segregation.</p> <p>Aurora A plays a key role during tumor development and progression and is overexpressed in many human cancers including breast, ovarian and colorectal. Aurora A is viewed as a potential</p>

Target Details

target for anticancer drug treatment. Tissue specificity: Highly expressed in testis and weakly in skeletal muscle, thymus and spleen. Also highly expressed in colon, ovarian, prostate, neuroblastoma, breast and cervical cancer cell lines.

Aliases: AIK, ARK1, AURA, BTAK, STK6, STK7, STK15, AURORA2, MGC34538, AURKA

Molecular Weight: 48 kDa

Gene ID: 6790

HGNC: 6790

Pathways: [Cell Division Cycle](#), [Asymmetric Protein Localization](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

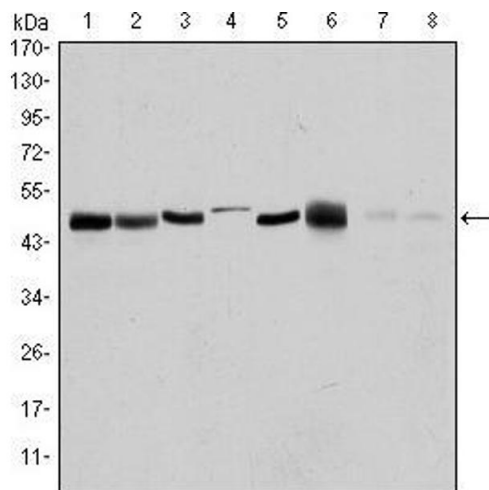
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

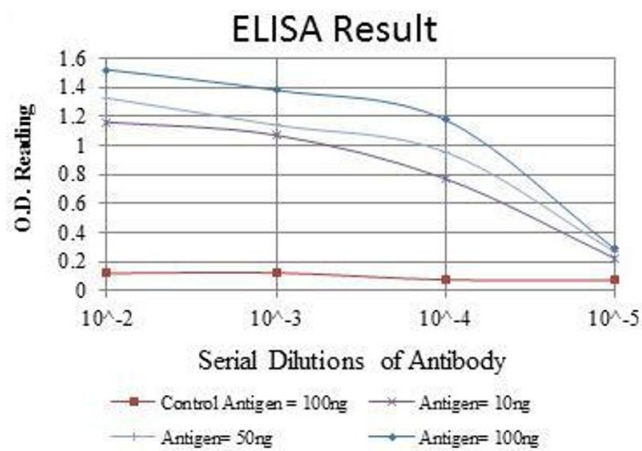
Publications

Product cited in: Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) ([PubMed](#)).



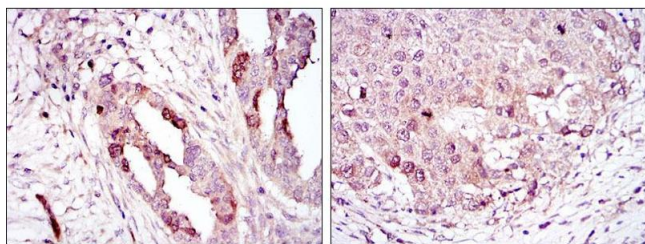
Western Blotting

Image 1. Western blot analysis using AURKA mouse mAb against HEK293 (1), Sw620 (2), MCF-7 (3), Jurkat (4), Hela (5), HepG2 (6), Cos7 (7) and PC-12 (8) cell lysate.



ELISA

Image 2. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and lung cancer (right) using AURKA mouse mAb with DAB staining.