Product Name: AURKA Mouse Monoclonal Antibody
Catalog #: AMM80944
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:50-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	48kDa

Antigen Information

Gene Name	AURKA
Alternative Names	AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; MGC34538; AURKA
Gene ID	6790.0
SwissProt ID	O14965
Immunogen	Purified recombinant fragment of human AURKA expressed in E. Coli.

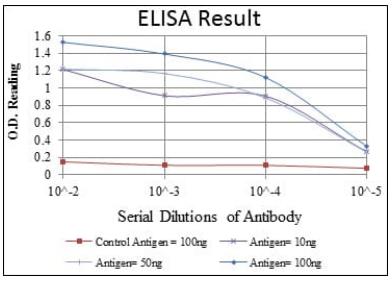
Background

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. 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

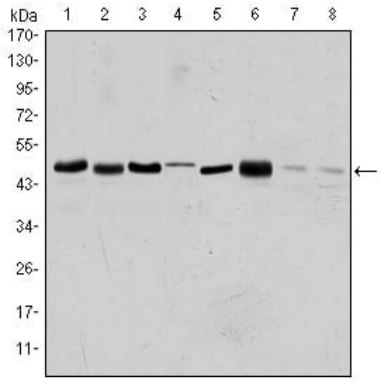
potential target for anticancer drug treatment.Tissue specificity: Highly expressed in testis and weakly in skeletal muscle, thymus and spleen. Also highly expressed in colon, ovarian, prostate, neuroblastoma, breast and cervical cancer cell lines.

Research Area

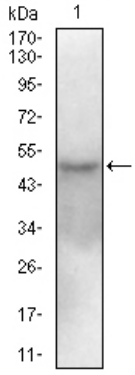
Image Data



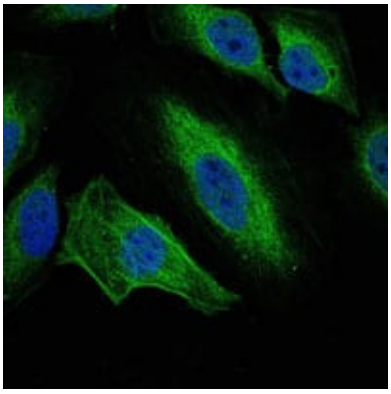
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



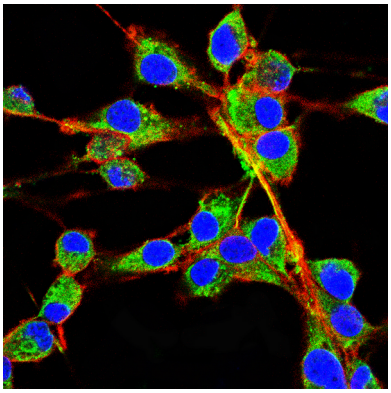
Western blot analysis using AURKA mouse mAb against HEK293 (1), Sw620 (2), MCF-7 (3), Jurkat (4), Hela (5), HepG2 (6), Cos7 (7) and PC-12 (8) cell lysate.



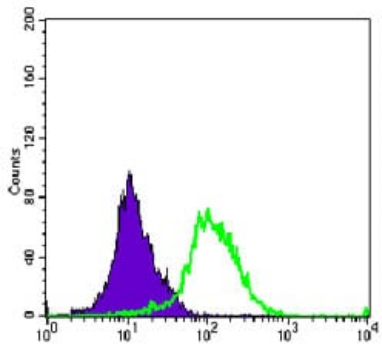
Western blot analysis using AURKA mouse mAb against F9 cell lysate.



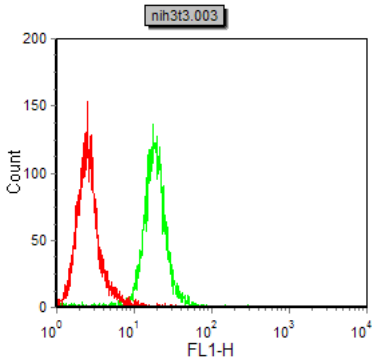
Immunofluorescence analysis of Hela cells using AURKA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



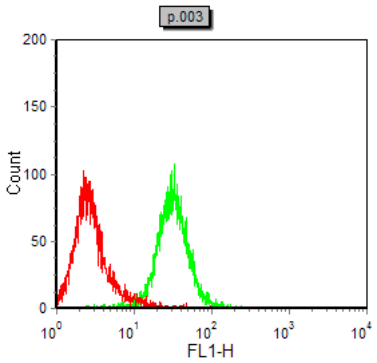
Immunofluorescence analysis of NIH/3T3 cells using AURKA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of K562 cells using AURKA mouse mAb (green) and negative control (purple).



Flow cytometric analysis of NIH/3T3 cells using AURKA mouse mAb (green) and negative control (red).



Flow cytometric analysis of PC-12 cells using AURKA mouse mAb (green) and negative control (red).