

产品名称: AURKA Mouse Monoclonal Antibody  
产品货号: AMM80944



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | AURKA Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody       |
| 宿主 (Host)              | Mouse                           |
| 应用 (Application)       | WB,ICC,ELISA,FC                 |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat,Monkey          |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | PBS containing 0.03% sodium azide.                                                       |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| 基因名 (Gene Name)        | AURKA                                                                     |
| 别名 (Alternative Names) | AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; MGC34538; AURKA        |
| 基因 ID (Gene ID)        | 6790.0                                                                    |
| 蛋白 ID (SwissProt ID)   | O14965.Purified recombinant fragment of human AURKA expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ICC 1:50-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 48kDa                                                              |

## 研究背景 (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

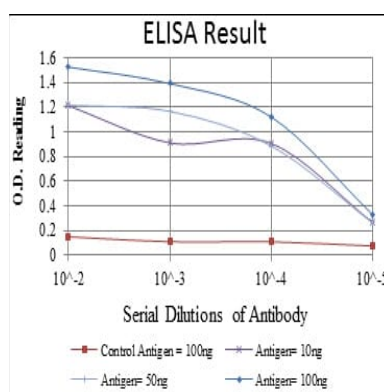
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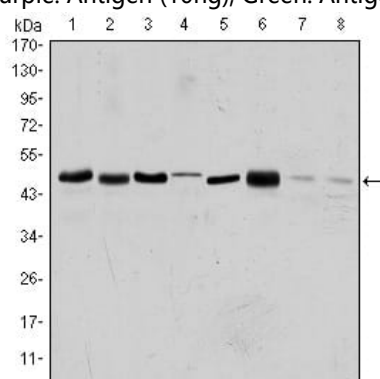
and progression and is overexpressed in many human cancers including breast, ovarian and colorectal. Aurora A is viewed as a potential target for anticancer drug treatment. Tissue specificity: Highly expressed in testis and weakly in skeletal muscle, thymus and spleen. Also highly expressed in colon, ovarian, prostate, neuroblastoma, breast and cervical cancer cell lines.

## 研究领域 (Research Area)

## 图片 (Image Data)

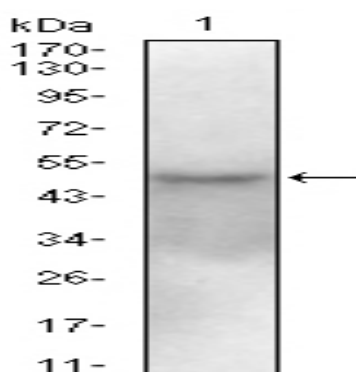


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

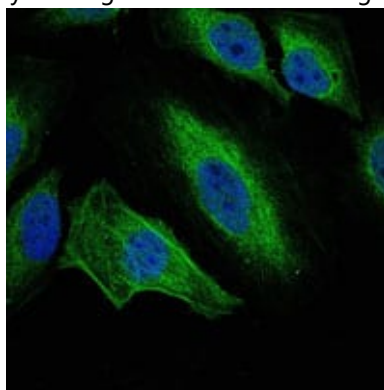


Western blot analysis using AURKA mouse mAb against HEK293 (1), Sw620 (2), MCF-7 (3), Jurkat (4), Hela (5), HepG2 (6), Cos7 (7) and PC-12 (8) cell lysate.

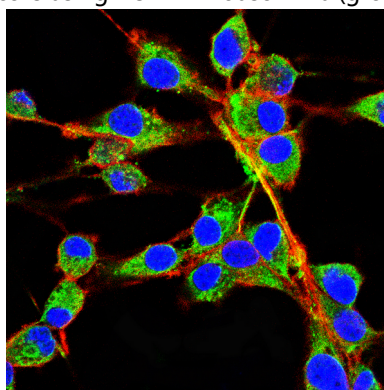
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Western blot analysis using AURKA mouse mAb against F9 cell lysate.

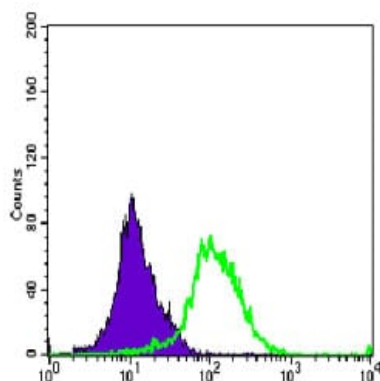


Immunofluorescence analysis of HeLa cells using AURKA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

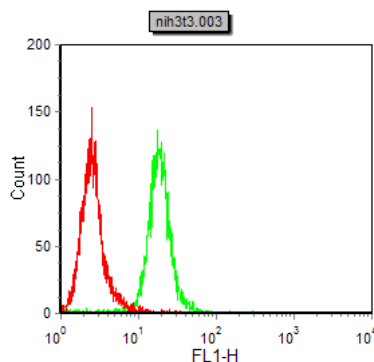


Immunofluorescence analysis of NIH/3T3 cells using AURKA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

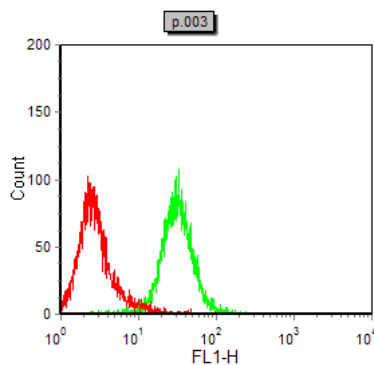
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Flow cytometric analysis of K562 cells using AURKA mouse mAb (green) and negative control (purple).



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).

## 注意事项 (Note)

For research use only .