Antagene inc©
Your Source of Antibody

Category: Monoclonal Antibodies Cat. #: MAB-606030160
Product Name: Mouse Monoclonal Antibody to AURKA

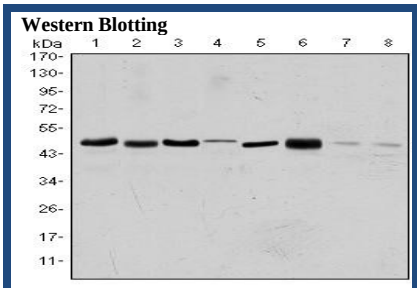


Figure 1: Western blot analysis using AURKA mouse mAb against HEK293 (1), Sw620 (2), MCF-7 (3), Jurkat (4), Hela (5), HepG2 (6), Cos7 (7) and PC-12 (8) cell lysate.

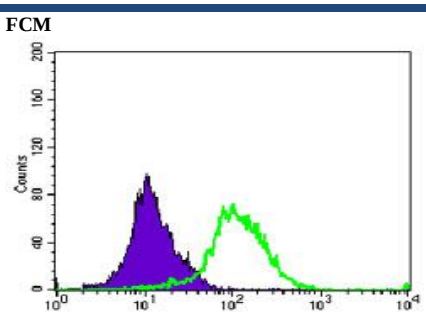
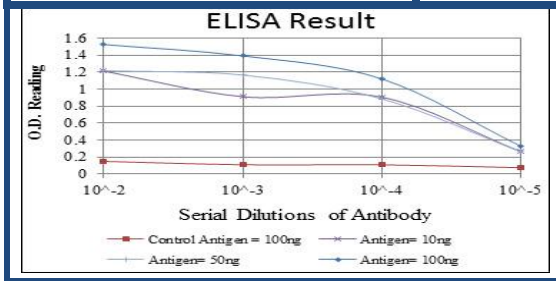


Figure 3: Flow cytometric analysis of K562 cells using AURKA mouse mAb (green) and negative control (purple).

Lot#:
Clone#: 1F8
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 48kDa
Aliases: AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; MGC34538; AURKA
Entrez Gene: 6790
Species reactivity: Human; Monkey; Rat



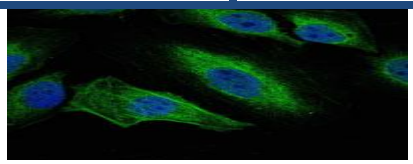


Figure 2: Immunofluorescence analysis of Hela cells using AURKA mouse mAb (green). Blue: DRAQ5 fluorescent DNA

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. 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.

Immunogen

Purified recombinant fragment of human AURKA expressed in E. Coli.

Applications

Western Bloting: 1/500 - 1/2000.
Immunofluorescence: 1/200 - 1/1000.
Flow cytometry: 1/200 - 1/400.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4℃, for long term storage, store at -20℃.

Related product

References

1. Cell Cycle. 2008 Nov 15;7(22):3525-33.
2. Oncogene. 2008 Nov 20;27(51):6539-49.

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