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Anti-Aurora A Mouse mAb [97A96]

Catalog No.: A33015

Basic Information

Catalog No. (Cat.No.)	A33015
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ELISA
Synonyms	Aurora A,Aurora-A,AIK,ARK1,AURA,BTAK,STK6,STK7,STK15,PPP1R47

Product Information

Target	Aurora A
Molecular Weight(Calculated)	46 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	97A96
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:2000
IHC	1:200-1:2000
ELISA	1:5000-1:20000

Target Information

Protein Name	Aurora kinase-A
Gene Name	*AURKA*
Domain	Full length
Background	Aurora A is an essential isoform of the Aurora serine/threonine kinase family encoded by the AURKA gene, which serves as a master regulatory kinase for G2/M phase transition during the cell cycle. Localized at centrosomes and spindle poles and highly activated in prophase, Aurora A dominates centrosome maturation, spindle microtubule assembly, chromosome polarity establishment and G2/M phase transition, precisely controlling mitotic initiation and progression. Abnormal activation and overexpression of Aurora A induce centrosome amplification, spindle disorder and cell cycle dysregulation, promote unlimited proliferation and malignant transformation of tumor cells, and are frequently upregulated in various malignancies, making it a core target for tumor proliferation research and targeted drug development. Anti-Aurora A Rabbit mAb [97B07] is a rabbit specifically recognizing endogenous Aurora A, compatible with multiple immunological assays and suitable for cell cycle, tumorigenesis and targeted mechanism research.