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Anti-Aurora B Rabbit mAb [87H88]

Catalog No.: A52015

Basic Information

Catalog No. (Cat.No.)	A52015
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Aurora B,Aurora-B,AIK2,AIM1,ARK2,PPP1R48,STK-1,STK5,AURK2

Product Information

Target	Aurora B
Molecular Weight(Calculated)	39 kDa
Molecular Weight(Observed)	39 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	87H88
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 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	1:1000-1:5000
IHC	1:500-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Aurora kinase B
Gene Name	*AURKB*
Domain	NA
Background	Aurora B is a core member of the Aurora serine/threonine kinase family encoded by the AURKB gene, serving as a crucial regulator of cell mitosis. Enriched during mitosis and localized at centromeres and spindle midzone, Aurora B governs precise chromosome alignment, spindle assembly checkpoint surveillance, sister chromatid segregation and cytokinesis completion, ensuring the accuracy and stability of cell division. Abnormal overexpression or hyperactivation of Aurora B leads to chromosome segregation errors, genomic instability and uncontrolled cell proliferation, acting as a vital driver of tumorigenesis, invasion and metastasis and a promising target for tumor targeted therapy.