Ablumir
Built Around Immunology

Anti-Aurora B Rabbit pAb (A73029)

Catalog No.: A73029

Basic Information

Catalog No. (Cat.No.)	A73029
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ICC/IF,ELISA
Synonyms	Aurora B,Aurora-B,AIK2,AIM1,ARK2,AurB,IPL1,STK5,AIM-1,ARK-2, STK-1,STK12,PPP1R48,aurkb-sv1,aurkb-sv2

Product Information

Target	Aurora B
Molecular Weight(Calculated)	39 kDa
Molecular Weight(Observed)	54 kDa
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Polyclonal
Clone No.	NA
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

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:1000-1:2000
IHC	1:200-1:2000
ICC/IF	1:100-1:500
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.