

Mouse AURORA-A KINASE Monoclonal Antibody | anti-AURKA antibody

MOUSE ANTI AURORA-A KINASE

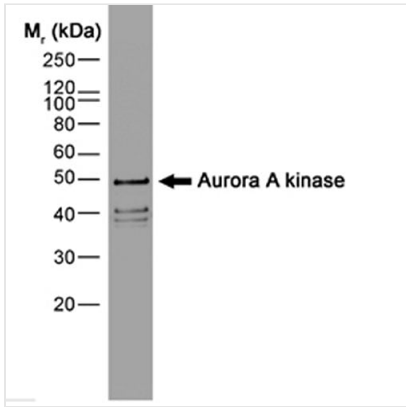
CATALOG # AAA49349	HOST Mouse	APPLICATIONS Western Blot, Immunoprecipitation, Immunofluorescence
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PRODUCT SYNONYMS

AURORA-A KINASE; Monoclonal Antibody; MOUSE ANTI AURORA-A KINASE; AIK; ARK1; AURA; BTAK; STK15; STK6; anti-AURKA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	35C1
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	403
Applicable Applications for anti-AURKA antibody	WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Histology Positive Control Tissue	Human 293 and mouse LLC1 cell lines.
Buffer Solution	Phosphate buffered saline
Target Species	Human
Immunogen	Recombinant Aurora-A
Fusion Partners	Spleen cells from immunized Balb/c were fused with cells of the SP2/0-Ag14 mouse myeloma cell line
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Carrier Free	Yes
Preparation and Storage	It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



Application Data
Recombinant Aurora kinase detected with Mouse anti Aurora-A kinase

ADDITIONAL INFORMATION

Related Product Information for anti-AURKA antibody	Mouse anri Human Aurora -A kinase monoclonal antibody, clone 35C1 recognizes human Aurora-A kinase also known as Aurora 2, breast tumor-amplified kinase and serine/threonine-protein kinase 6 or 15. Aurora kinase A is member of the Ser/Thr protein kinase family containing a single protein kinase domain, has a molecular weight of ~46kDa and is involved in mitotic spindle assembly (Ducat et al. 2004). Aurora-A kinase is reported to be overexpressed in many epithelial cancers and is thought to play an important role in tumourigenesis (Katayama et al. 2003). Aurora A kinase appears to facilitate phosphorylation of centrin and co-localizes with it at centrosomes with maximum expression through prophase to late metaphase (Lukasiewicz et al. 2011). Mouse anti human Aurora-A kinase, clone 35C1 specifically recognizes an epitope within the non-catalytic N-terminal domain of Aurora-A. Clone 35C1 does not inhibit Aurora-A kinase activity (Cremet et al. 2003).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38327562
NCBI GeneID	6790
NCBI Accession #	NP_003591.2
NCBI GenBank Nucleotide #	NM_003600.2
UniProt Accession #	O14965; O60445; O75873; Q9BQD6; Q9UPG5; E1P5F9
NCBI Official Full Name	aurora kinase A
NCBI Official Synonym Full Names	aurora kinase A
NCBI Official Symbol	AURKA
NCBI Official Synonym Symbols	AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; PPP1R47
NCBI Protein Information	aurora kinase A; ARK-1; Aurora-A kinase; IPL1-related kinase; aurora 2; aurora-related kinase 1; aurora/IPL1-like kinase; aurora/IPL1-related kinase 1; breast tumor-amplified kinase; breast-tumor-amplified kinase; hARK1; protein phosphatase 1, regulatory subunit 47; serine/threonine kinase 6; serine/threonine protein kinase 15; serine/threonine-protein kinase 15; serine/threonine-protein kinase 6; serine/threonine-protein kinase aurora-A
UniProt Protein Name	Aurora kinase A
UniProt Gene Name	AURKA
UniProt Synonym Gene Names	AIK; AIRK1; ARK1; AURA; AYK1; BTAK; IAK1; STK15; STK6; ARK-1; Aurora-related kinase 1; hARK1
UniProt Entry Name	AURKA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aurora-a-kinase-antibody-clone-35c1-western-blot-immunoprecipitation-immunofluorescence-elisa/49349>