

Rabbit anti-Human, Mouse Aurora A Monoclonal Antibody | anti-AURA antibody

Aurora A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312221	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Aurora A; Monoclonal Antibody; Aurora A Antibody; AIK antibody; ARK-1 antibody; ARK1 antibody; AURA antibody; Aurka antibody; Aurora 2 antibody; Aurora A antibody; Aurora kinase A antibody; Aurora-related kinase 1 antibody; Aurora/IPL1 like kinase antibody; Aurora/IPL1-related kinase 1 antibody; AURORA2 antibody; Breast tumor-amplified kinase antibody; BTAK antibody; hARK1 antibody; IAK antibody; IPL1 related kinase antibody; MGC34538 antibody; OTTHUMP00000031340 antibody; OTTHUMP00000031341 antibody; OTTHUMP00000031342 antibody; OTTHUMP00000031343 antibody; OTTHUMP00000031344 antibody; OTTHUMP00000031345 antibody; OTTHUMP00000166071 antibody; OTTHUMP00000166072 antibody; PPP1R47 antibody; Protein phosphatase 1; regulatory subunit 47 antibody; Serine/threonine kinase 15 antibody; Serine/threonine kinase 6 antibody; Serine/threonine-protein kinase 15 antibody; Serine/threonine-protein kinase 6 antibody; Serine/threonine-protein kinase aurora-A antibody; STK15 antibody; STK6 antibody; STK6_HUMAN antibody; STK7 antibody; anti-AURA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	ST46-07
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-AURA antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



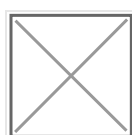
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Hela cells with Aurora A antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as secondary antibody



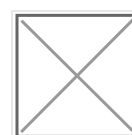
ICC (Immunocytochemistry)

ICC staining Aurora A in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Aurora A in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Aurora A in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ADDITIONAL INFORMATION

Related Product Information for anti-AURA antibody	Activation of the oncogenic protein kinase Aurora A regulates meiotic and mitotic cell cycles in eukaryotic cells. Specifically, Aurora A plays a key role in G2/M progression. Activation occurs via autophosphorylation, and while 14 sites are subject to this, only the threonine residue at position 295 is required for activity. Though autophosphorylation mediates activation, a number of other proteins influence activation, including the spindle assembly factor TPX2 and p53
Product Categories/Family for anti-AURA antibody	Total protein Ab

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
Molecular Weight	45,809 Da
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; hARK1; aurora 2; Aurora-A kinase; IPL1-related kinase; aurora-related kinase 1; aurora/IPL1-like kinase; serine/threonine kinase 6; aurora/IPL1-related kinase 1; breast tumor-amplified kinase; breast-tumor-amplified kinase; serine/
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-antibody-clone-st46-07-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/312221>