

Mouse anti-Human AURKB Monoclonal Antibody | anti-AURKB antibody

AURKB antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48076	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

AURKB; Monoclonal Antibody; AURKB antibody; Serine/threonine-protein kinase 12; Aurora-B; AIK2; AIM1; ARK2; AurB; aurkb-sv1; aurkb-sv2; IPL1; STK12; aurkb; AuRKB; Aurora 1; STK1; STK5; Aurora and Ipl1 like midbody associated protein 1; Aurora kinase B; Aurora related kinase 2; Aurora/IPL1 related kinase 2; Serine/threonine kinase 12; Serine/threonine protein kinase 12; ; anti-AURKB antibody

PRODUCT SPECIFICATIONS

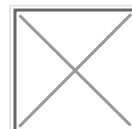
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT2B1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	344
Applicable Applications for anti-AURKB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Aurora kinase B (1-344aa) purified from E. coli
Clone Note	Anti-human Aurora kinase B mAb, clone AT2B1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Aurora kinase B protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of human HeLa cells stained with Hoechst 3342 (Blue) for chromatin staining and monoclonal anti-human Aurora kinase B antibody (1:2000) with Texas Red (Red).



WB (Western Blot)

The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Aurora kinase B antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant Human Aurora kinase A Lane 2.: Recombinant Human Aurora kinase B

ADDITIONAL INFORMATION

Related Product Information for anti-AURKB antibody	The aurora family (A, B and C) are serine threonine kinases and key regulators of chromosome segregation during mitosis. Aurora kinase B is a chromosomal passenger protein that regulates chromosome segregation and cytokinesis. Aurora kinase B is associated with the level of genetic instability within tumours and patient survival. It is strongly expressed in exponentially proliferating bronchial epithelial cells in culture and that this expression is markedly reduced in confluent cells. It is also shown that almost all tumours show higher levels of Aurora kinase B expression than their matched normal lung tissues, which could therefore simply be a consequence of a higher proliferative index, or be typical of the progenitor cell and atypical of the bulk of normal lung cells
Product Categories/Family for anti-AURKB antibody	Cell Cycle
References	Posch M, et al. (2010) J Cell Biol, 191 (1):61-74.; Lisa L, et al. (2009) J Cell Biol, 186 (4): 491-507.; S L Smith, et al. (2005) Br J Cancer, 93 (6): 719-729.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83776600
NCBI GeneID	9212
NCBI Accession #	NP_004208
NCBI GenBank Nucleotide #	NM_004217.3
UniProt Accession #	Q96GD4 ; O14630 ; O60446 ; O95083 ; Q96DV5 ; Q9UQ46 ; B4DNM4 ; C7G533 ; C7G534 ; C7G535 ; D3DTR4 ; J9JID1
Molecular Weight	39,467 Da
NCBI Official Full Name	aurora kinase B isoform 1
NCBI Official Synonym Full Names	aurora kinase B
NCBI Official Symbol	AURKB
NCBI Official Synonym Symbols	AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1; ARK-2; STK-1; STK12; PPP1R48; aurkb-sv1; aurkb-sv2
NCBI Protein Information	aurora kinase B
UniProt Protein Name	Aurora kinase B
UniProt Gene Name	AURKB
UniProt Synonym Gene Names	AIK2; AIM1; AIRK2; ARK2; STK1; STK12; STK5; AIM-1; ARK-2; Aurora-related kinase 2

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/aurkb-antibody-clone-at2b1-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48076>