

Mouse Aurora B kinase Antibody | anti-AURKB antibody

Aurora B kinase, Monoclonal Antibody, Mouse

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76561	Mouse	Human, Cow, Pig, Chicken, Rat, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

Aurora B kinase; Monoclonal Antibody; Mouse; anti-AURKB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cow, Pig, Chicken, Rat, Mouse
Isotype	IgG
Purity/Purification	Protein G purified
Form/Format	100 ul liquid 10 mM Sodium Azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	176
Applicable Applications for anti-AURKB antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	Full length recombinant human Aurora B protein expressed in and purified from E. coli
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2°C-8°C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data

Image: Left: Western blot analysis of Aurora B in HeLa cells. Blot of HeLa cells treated with 100ng/ml nocodazole for 18 hours was probed with Aurora B. Nocodazole is a microtubule polymerization inhibitor which induces cells to halt at the G2/M phase and also induces Aurora B expression. The Aurora B monoclonal binds strongly to aurora B at 38 kDa. Right: Blot of recombinant human Aurora A, B and C were probed with AAA76561. This antibody binds specifically to Aurora B. This is also consisted with the immunocytochemical staining of midzones and midbodies on HeLa cells.



Application Data

Image: HeLa cell cultures were stained with Aurora B kinase antibody (green). Aurora B stains midzones in anaphase and midbodies between the two daughter cells during telophase. It is therefore a useful marker of dividing cells. Counterstained is our chicken polyclonal antibody against Vimentin, (red). Blue is a DNA stain.

ADDITIONAL INFORMATION

Product Categories/Family for anti-AURKB antibody	Aurora B kinase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	927644272
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NCBI GeneID	9212
NCBI Accession #	NP_001300884.1
NCBI GenBank Nucleotide #	NM_001313955.1
NCBI Official Full Name	aurora kinase B isoform 7
NCBI Official Synonym Full Names	aurora kinase B
NCBI Official Symbol	AURKB
NCBI Official Synonym Symbols	AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-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
UniProt Entry Name	AURKB_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/mouse-chicken-cow-human-mouse-pig-rat-antibody/aurora-b-kinase/76561>