

Mouse Aurora B Polyclonal Antibody | anti-AURKB antibody

Aurora B Kinase

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76608	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

PRODUCT SYNONYMS

Aurora B; Polyclonal Antibody; Aurora B Kinase; anti-AURKB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	344
Applicable Applications for anti-AURKB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Full length recombinant human aurora B expressed in and purified from E Coli.

IMAGES



WB (Western Blot)

Western blot analysis of MO22161 in HeLa cells. Blot of HeLa cells treated with 100ng/ml nocodazole for 18 hours was probed with MO22161. Nocodazole is a microtubule polymerization inhibitor which induces cells to halt at the G2/M phase and also induces Aurora B expression. The MO22161 monoclonal binds strongly to aurora B at 38 kDa.



IHC (Immunohistochemistry)

MO22161 antibody produces strong staining associated with chromosomes in prophase (A), the centromere in prometaphase and metaphase (B), the central mitotic spindle in anaphase (C), and midbodies between the two daughter cells during telophase and beyond (D). The vimentin antibody stains the intermediate filament network in these cells.

ADDITIONAL INFORMATION

Related Product Information for anti-AURKB antibody

Aurora proteins are a family of serine/threonine protein kinases that play a key role in the regulation of cell division. Mammalian genomes encode 3 aurora kinases named aurora A, aurora B and aurora C. All 3 contain a regulatory domain at the N terminus which is quite different between the molecules followed by a catalytic serine/threonine kinase domain which is almost identical between them. Aurora A is required for centrosome duplication, entry into mitosis, formation of bipolar spindle and mitotic checkpoint. Aurora B is a chromosomal passenger protein and essential for chromosome condensation, kinetochore functions, spindle checkpoint activation and cytokinesis completion. Aurora C is heavily expressed in testis and is involved in spermatogenesis, but is also expressed in many cell lines and cancer cells and has been less well studied to date.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83776600
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NCBI GeneID	9212
NCBI Accession #	NP_004208.2
NCBI GenBank Nucleotide #	NM_004217.4
UniProt Accession #	Q96GD4
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aurora-b-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76608>