

Mouse Aurora A/B Monoclonal Antibody | anti-AURKA antibody

Aurora A/B Kinase

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76607	Mouse	Rat, Cow, Pig, Horse, Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

PRODUCT SYNONYMS

Aurora A/B; Monoclonal Antibody; Aurora A/B Kinase; anti-AURKA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat, Cow, Pig, Horse, Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	403
Applicable Applications for anti-AURKA antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Full length recombinant human Aurora A protein expressed in and purified from E Coli.
Preparation and Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

HeLa cell cultures were stained with AAA76607 antibody (green). The antibody stains spindle poles and mitotic spindles at anaphase (top 2 panels) and concentrates on the midbody between the two daughter cells during telophase (bottom 2 panels). It is therefore a useful marker of dividing cells. Cells were counterstained with our chicken polyclonal antibody to vimentin in red. Blue is a DNA stain.

ADDITIONAL INFORMATION

Related Product Information for anti-AURKA 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 #	38327562
NCBI GeneID	6790
NCBI Accession #	NP_003591.2
NCBI GenBank Nucleotide #	NM_003600.3
UniProt Accession #	O14965
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; PPP1R47
NCBI Protein Information	aurora kinase 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-b-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76607>