

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

Aurora B Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28594	Mouse	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

Aurora B; Monoclonal Antibody; Aurora B Mouse mAb; AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1; ARK-2; STK-1; STK12; PPP1R48; aurkb-sv1; aurkb-sv2; anti-AURKB antibody

PRODUCT SPECIFICATIONS

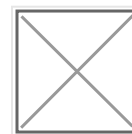
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3
Sequence	MAQKENSYPW PYGRQTAPSG LSTLPQRVLR KEPVTPSALV LMSRSNVQPT AAPGQKVMEN SSGTPDILTR HFTIDDFEIG RPLGKGKFGN VYLAREKKSH
Applicable Applications for anti-AURKB antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:1000-1:2000 IHC-P: 1:200-1:800 IF/ICC: 1:800-1:3200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinantfusion protein containing a sequence corresponding to amino acids 1-100 of human TLR4 (NP_004208.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of PC-12 cells using Aurora B Mouse mAb (AAA28594, dilution 1:1600) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



ICC (Immunocytochemistry)

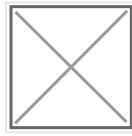
Confocal imaging of HeLa cells using Aurora B Mouse mAb (AAA28594, dilution 1:1600) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

**IHC (Immunohistochemistry)**

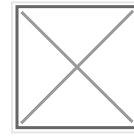
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Aurora B Mouse mAb (AAA28594) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Aurora B Mouse mAb (AAA28594) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Aurora B Mouse mAb (AAA28594) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Aurora B Mouse mAb (AAA28594) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-AURKB antibody	This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Alternatively spliced transcript variants have been found for this gene.
Product Categories/Family for anti-AURKB antibody	Epigenetics Nuclear Signaling ; Epigenetic writers and erasers of core Histones ; Cancer ; Signal Transduction ; Kinase ; Serine threonine kinases ; Cell Biology Developmental Biology ; Cell Cycle ; Microtubules ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	83776600
NCBI GeneID	9212
NCBI Accession #	NP_004208.2
NCBI GenBank Nucleotide #	NM_004217.3
UniProt Accession #	Q96GD4 ; O14630 ; O60446 ; O95083 ; Q96DV5 ; Q9UQ46 ; C7G533 ; C7G534 ; C7G535 ; D3DTR4
Molecular Weight	Calculated MW: 39kDa Observed MW: 40kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aurora-b-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28594>