

Rabbit Aurora-B (ARK/STK12) Polyclonal Antibody | anti-AURKB antibody

Aurora-B (ARK/STK12) Antibody (N-term)

CATALOG # AAA286713	HOST Rabbit	REACTIVITY Human, mouse, rat, monkey	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Aurora-B (ARK/STK12); Polyclonal Antibody; Aurora-B (ARK/STK12) Antibody (N-term); Aurora kinase B; Aurora 1; Aurora- and IPL1-like midbody-associated protein 1; AIM-1; Aurora/IPL1-related kinase 2; ARK-2; Aurora-related kinase 2; STK-1; Serine/threonine-protein kinase 12; Serine/threonine-protein kinase 5; Serine/threonine-protein kinase aurora-B; AURKB; AIK2; AIM1; AIRK2; ARK2; STK1; STK12; STK5; anti-AURKB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat, monkey
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Aurora-B (ARK/STK12) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-35 amino acids from the N-terminal region of human Aurora-B (ARK/STK12).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	6-35
Sequence Length	345
Applicable Applications for anti-AURKB antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human testis tissue reacted with STK12 Antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



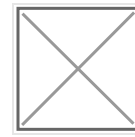
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



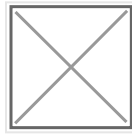
WB (Western Blot)

Western blot analysis of AURKB (arrow) using rabbit polyclonal Aurora-B (ARK/STK12) Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the AURKB gene (Lane 2).



WB (Western Blot)

The STK12 polyclonal antibody is used in Western blot to detect STK12 in mouse brain tissue lysate.



WB (Western Blot)

Western blot analysis of anti-STK12 Antibody (N-term) in HepG2 cell line lysates (35ug/lane). STK12 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AURKB antibody	Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases associate with microtubules during chromosome movement and segregation. STK12 (Aurora kinase B) localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A localizes to centrosomes
Product Categories/Family for anti-AURKB antibody	Cancer ; Cell Biology ; Signal transduction
References	Kimura, M., et al., Biochem. Biophys. Res. Commun. 316(3):930-936 (2004). Yasui, Y., et al., J. Biol. Chem. 279(13):12997-13003 (2004). Lampson, M.A., et al., Nat. Cell Biol. 6(3):232-237 (2004). Wheatley, S.P., et al., J. Biol. Chem. 279(7):5655-5660 (2004). Honda, R., et al., Mol. Biol. Cell 14(8):3325-3341 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	378786658
NCBI GeneID	9212
NCBI Accession #	NP_001243763.1 ; NP_004208.2
NCBI GenBank Nucleotide #	NM_001256834.1
UniProt Accession #	Q96GD4 ; O14630 ; O60446 ; O95083 ; Q96DV5 ; Q9UQ46 ; B4DNM4 ; C7G533 ; C7G534 ; C7G535 ; D3DTR4 ; J9JID1
Molecular Weight	39311
NCBI Official Full Name	aurora kinase B isoform 2
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/polyclonal/aurora-b-ark-stk12-antibody-immunohistochemistry-western-blot-elisa/286713>