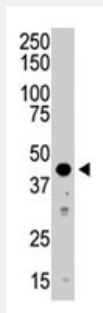


AURKB polyclonal antibody

Catalog # PAB2807

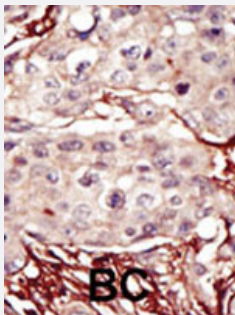
Size 400 uL

Applications



Western Blot (Tissue lysate)

The AURKB polyclonal antibody (Cat # PAB2807) is used in Western blot to detect AURKB in mouse spleen tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with AURKB polyclonal antibody (Cat # PAB2807), 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AURKB.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human AURKB.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The AURKB polyclonal antibody (Cat # PAB2807) is used in Western blot to detect AURKB in mouse spleen tissue lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — AURKB

Entrez GeneID	9212
Protein Accession#	NP_004208:Q96GD4
Gene Name	AURKB
Gene Alias	AIK2, AIM-1, AIM1, ARK2, AurB, IPL1, STK12, STK5
Gene Description	aurora kinase B
Omim ID	604970
Gene Ontology	Hyperlink
Gene Summary	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. Aurora kinase B localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A (MIM 603072) localizes to centrosomes (Lampson et al., 2004 [PubMed 14767480]).[supplied by OMIM]
Other Designations	aurora-1 aurora-B serine/threonine kinase 12

Publication Reference

- [Cell cycle-dependent regulation of the human aurora B promoter.](#)

Kimura M, Uchida C, Takano Y, Kitagawa M, Okano Y.

Biochemical and Biophysical Research Communications 2004 Apr; 316(3):930.

- [Correcting improper chromosome-spindle attachments during cell division.](#)

Lampson MA, Renduchitala K, Khodjakov A, Kapoor TM.

Nature Cell Biology 2004 Mar; 6(3):232.

- [Autophosphorylation of a newly identified site of Aurora-B is indispensable for cytokinesis.](#)

Yasui Y, Urano T, Kawajiri A, Nagata K, Tatsuka M, Saya H, Furukawa K, Takahashi T, Izawa I, Inagaki M.

The Journal of Biological Chemistry 2004 Jan; 279(13):12997.

Disease

- [Brain Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)