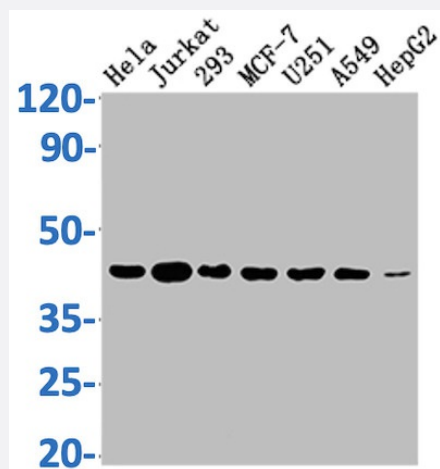


RecomAb™

AURKB recombinant monoclonal antibody, clone 4E5

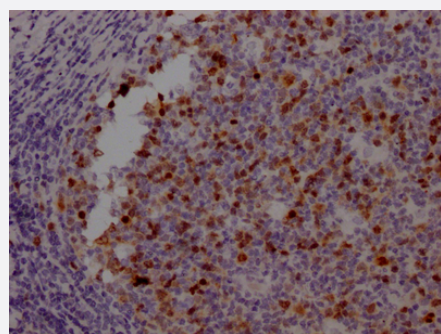
Catalog # RAB03983 Size 100 uL

Applications



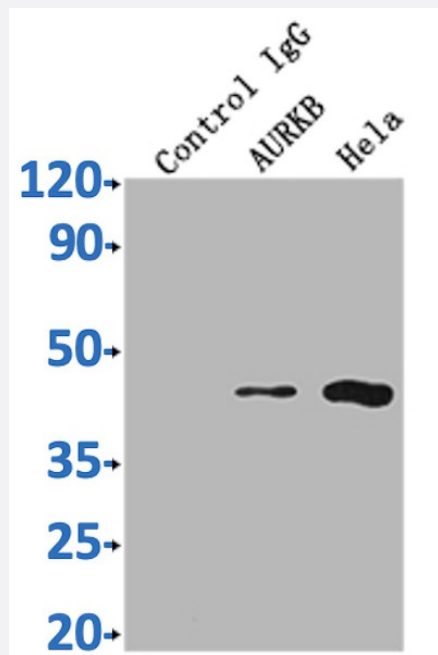
Western Blot

Western Blot analysis of Lane 1: HeLa whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: 293 whole cell lysate; Lane 4: MCF-7 whole cell lysate; Lane 5: U251 whole cell lysate; Lane 6: A549 whole cell lysate; Lane 7: HepG2 whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of AURKB recombinant monoclonal antibody, clone 4E5 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system.



Immunoprecipitation

Immunoprecipitating AURKB in HeLa whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human AURKB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human AURKB.
Theoretical MW (kDa)	Calculated MW: 40, 3
Reactivity	Human
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Immunoprecipitation(1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °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

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: 293 whole cell lysate; Lane 4: MCF-7 whole cell lysate; Lane 5: U251 whole cell lysate; Lane 6: A549 whole cell lysate; Lane 7: HepG2 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of AURKB recombinant monoclonal antibody, clone 4E5 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system.

- Immunoprecipitation

Immunoprecipitating AURKB in Hela whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AURKB

Entrez GeneID[9212](#)**Protein Accession#**[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

Disease

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