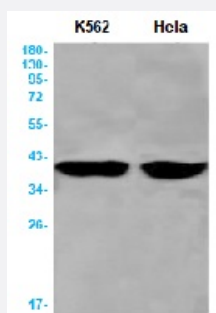


RecomAb™

AURKB recombinant monoclonal antibody, clone R01-3A4

Catalog # RAB01576 Size 100 uL

Applications



Western Blot

Western blot analysis of Aurora B in K562, HeLa lysates using human Aurora B recombinant monoclonal antibody, clone R01-3A4 (Cat # RAB01576).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Aurora B.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Aurora B
Theoretical MW (kDa)	Calculated MW: 39 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C for short term. 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

Western blot analysis of Aurora B in K562, Hela lysates using human Aurora B recombinant monoclonal antibody, clone R01-3A4 (Cat # RAB01576).

- Immunoprecipitation

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](#)