

AURKB Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3714
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of AURKB expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	AURKB

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

AURKB (aurora kinase B, AIK2 or aurora-B), with 344-amino acid protein (about 39kDa), localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers. AURKB is a mitotic protein kinase, which phosphorylates histone H3 and regulates Chromosomal segregation during mitosis and meiosis. It may regulate several stages of mitosis such as centrosome separation, chromosome segregation and cytokinesis. Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. ARK-2 transcripts are present at high levels in human thymus and fetal liver. ARK-2 protein levels are maximal during both S and G2/M phases

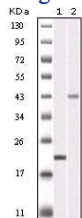
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using AURKB mouse mAb against truncated AURKB recombinant protein (1) and SKN-SH cell lysate (2).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.