

Datasheet for ABIN1724660
anti-Aurora Kinase B antibody[Go to Product page](#)

1 Image

2 Publications

Overview

Quantity:	100 µL
Target:	Aurora Kinase B (AURKB)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Aurora Kinase B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of AURKB expressed in E. coli.
Clone:	13E8D3
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Aurora Kinase B (AURKB)
Alternative Name:	AURKB (AURKB Products)
Background:	Description: AURKB (aurora kinase B, AIK2 or aurora-B), with 344-amino acid protein (about 39 kDa), 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

Target Details

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

Aliases: AURKB

Gene ID: 9212

HGNC: 9212

Pathways: [TCR Signaling](#), [Cell Division Cycle](#), [Maintenance of Protein Location](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

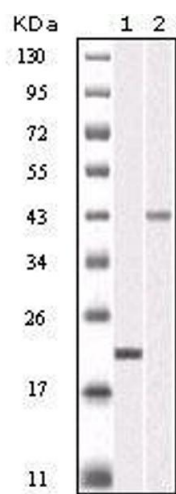
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Nayernia, Adham, Burkhardt-Göttges, Neesen, Rieche, Wolf, Sancken, Kleene, Engel: "Asthenozoospermia in mice with targeted deletion of the sperm mitochondrion-associated cysteine-rich protein (Smcp) gene." in: **Molecular and cellular biology**, Vol. 22, Issue 9, pp. 3046-52, (2002) ([PubMed](#)).



Western Blotting

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