

## Mouse Monoclonal Antibody to AURKB

<b>Catalogue Number</b>	sAP-0089
<b>Target Molecule</b>	<p><b>Name:</b> AURKB</p> <p><b>Aliases:</b> AURKB</p> <p><b>MW:</b> N/A</p> <p><b>Entrez Gene ID:</b> 9212</p>
<b>Description</b>	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
<b>Immunogen</b>	Purified recombinant fragment of AURKB expressed in E. Coli.
<b>Reactive Species</b>	Human
<b>Clone</b>	MM13E8D3;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Song J et al. Immunity 22:621-31 (2005). ; 2. Kapoor P et al. Mol Cell Biol 25:4934-45 (2005). ; ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**