

## Product datasheet for **AM06156SU-N**

### Aurora B (AURKB) Mouse Monoclonal Antibody [Clone ID: 13E8D3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	13E8D3
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of AURKB expressed in E. Coli.
Specificity:	Recognizes AURKB (Aurora Kinase B).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aurora kinase B
Database Link:	<a href="#">Entrez Gene 9212 Human</a> <a href="#">Q96GD4</a>



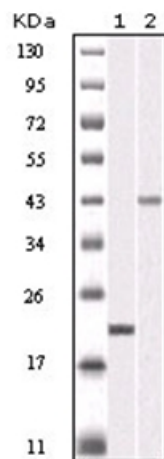
[View online »](#)

**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

**Synonyms:**

Aurora-B, Aurora/IPL1-related kinase 2, STK-1, AURKB, AIK2, AIM1, ARK2, STK12

**Product images:**


Western blot analysis using AURKB antibody Cat.-No AM06156SU-N against truncated AURKB recombinant protein (Lane 1) and SKN-SH cell lysate (Lane 2).