

Anti-AURKB Antibody (8W890)

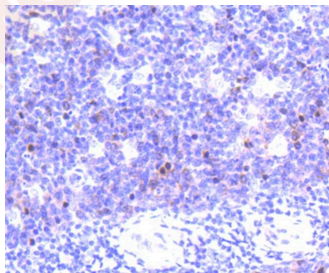
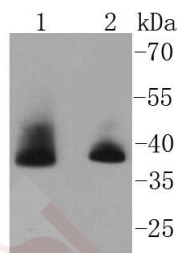
Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 39 kDa.
Clone:	8W890
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Aurora B on different lysates using anti-Aurora B antibody at 1/1,000 dilution. Positive control: Lane 1: HeLa, Lane 2: MCF-7.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Aurora B antibody. Counter stained with hematoxylin.



Application:	ICC/IF,IHC,IP,WB
Recommended	WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q96GD4
Synonyms:	Aurora- and IPL1-like midbody-associated protein 1;ARK-2;Serine/threonine-protein kinase 5; AIM-1;Aurora kinase B;AIK2;Aurora-related kinase 2;STK5;Serine/threonine-protein kinase aurora-B;Aurora/IPL1-related kinase 2;STK12;ARK2;AIRK2;STK-1;STK1;EC 2.7.11.1; Serine/threonine-protein kinase 12;AIM1;Aurora 1

Research Background

Aurora related kinase-1 (ARK-1, STK15, Aurora2, Aik1) and -2 (ARK-2, STK12, Aurora1) are centrosome-associated serine/ threonine kinases that regulate centrosome separation, bipolar spindle assembly, and chromosome segregation during mitosis. ARK-1 and -2 are expressed in the nucleus and localize to distinct portions of mitotic machinery such as the centrosome, spindle poles (ARK-1), and midbody (ARK-2) during mitosis. ARK-1 and -2 transcripts are present at high levels in human thymus and fetal liver. ARK-1 protein has elevated expression in colon carcinoma lines (HT-29, SNU-C2B, COLO 205, SW480, 837 and 948) and accumulates during metaphase in HeLa cells. ARK-2 protein levels are maximal during both S and G2/M phases, whereas ARK-1 protein is degraded after G2/M via the ubiquitin-proteasome pathway. ARK-2 has a unique genetic loci relative to ARK-1, suggesting that these two kinases, with oncogenic potential, have different roles in cell cycle progression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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