

# Aurora B Monoclonal antibody

 Catalog Number: 60098-1-Ig 4 Publications

## Basic Information

<b>Catalog Number:</b> 60098-1-Ig	<b>GenBank Accession Number:</b> BC013300	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 800 µg/ml	<b>GeneID (NCBI):</b> 9212	<b>CloneNo.:</b> 3H1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96GD4	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Isotype:</b> IgG2b	<b>Full Name:</b> aurora kinase B	
<b>Immunogen Catalog Number:</b> AG7532	<b>Calculated MW:</b> 39.2 kDa <b>Observed MW:</b> 39-45 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, mouse thymus tissue IHC : human lymphoma tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Aurora B(AURKB) is also named as aurora kinase B, AIK2, AIM1, AIRK2, ARK2, STK1, STK12, STK5 and belongs to the Aurora subfamily. Aurora kinase B is a chromosomal passenger serine/threonine protein kinase that regulates accurate chromosomal segregation, cytokinesis, protein localization to the centromere and kinetochore, correct microtubule-kinetochore attachments, and regulation of the mitotic checkpoint(PMID:18311747). Expression levels of AURKB are increased in the anaplastic thyroid carcinoma cell lines ARO, Cal 62, and KAT-4(PMID:15562011).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Mei Yang	30009820	Gastroenterology	WB
Lei Sheng	29220503	Hum Mol Genet	WB
Aravindan Sheeja S	23613993	PLoS One	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

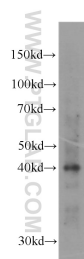
For technical support and original validation data for this product please contact:

T: 4006900926

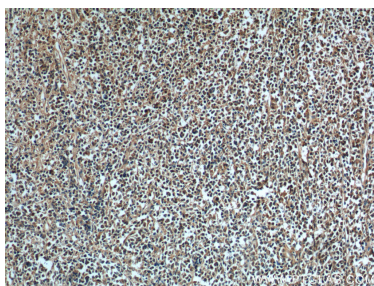
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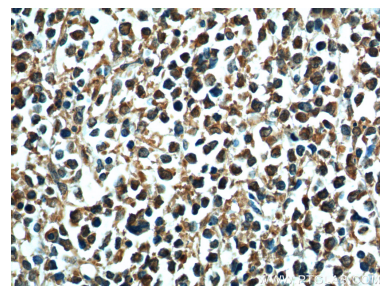
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 60098-1-Ig (Aurora B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 60098-1-Ig (Aurora B antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 60098-1-Ig (Aurora B antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).