

For Research Use Only

Aurora B Monoclonal antibody

Catalog Number: 60098-1-Ig **4 Publications**



Basic Information

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

Applications

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

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

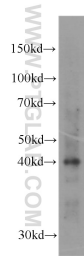
Storage

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

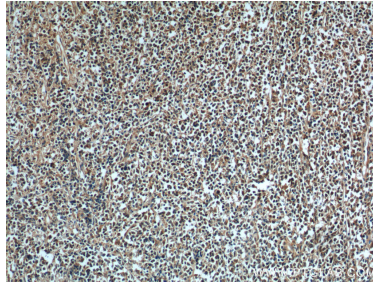
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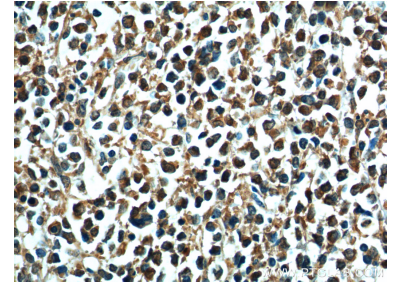
Selected Validation Data



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).