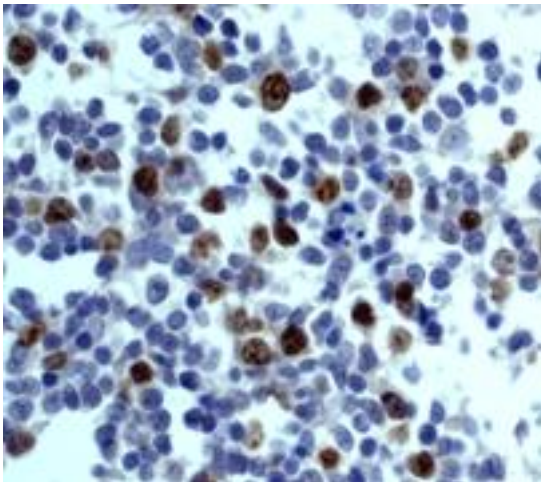


## Rabbit Monoclonal anti-Aurora-B (EP1009Y)

<b>Catalog Number:</b>	NB110-55480
<b>Background:</b>	Aurora-B is a member of a novel family of serine/threonine kinases that have been identified as key regulators of the mitotic cell division process. Aurora-B is known to be involved in the regulation of centrosome function, bipolar spindle assembly and chromosome segregation. Aurora kinases are localized at the centrosomes of interphase cells, at the poles of the bipolar spindle and in the midbody of the mitotic apparatus. Substrates identified for the Aurora-B kinases include a kinesin-like motor protein, spindle apparatus proteins, histone H3 protein, kinetochore protein and the tumor suppressor protein p53 (1). Overexpression of aurora B produced multinuclearity and induced aggressive metastasis, suggesting that overexpressed aurora B has multiple functions in cancer development. Identification of Aurora kinases as RasGAP Src homology 3 domain binding protein, also implicates these kinases as potential effectors in the Ras pathway relevant to oncogenesis (2).
<b>Alternate Names:</b>	anti-AIK2 antibody, anti-AIM1 antibody, anti-ARK2 antibody, anti-AURKB antibody, anti-Aurora 1 antibody, anti-Aurora kinase B antibody, anti-Aurora- and Ipl1-like midbody-associated protein 1 antibody, anti-Aurora-related kinase 2 antibody, anti-Aurora/IPL1 related kinase 2 antibody, anti-IPL1 antibody
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Synthetic peptide corresponding to residues near the N-terminus of human Aurora B.
<b>Clone:</b>	EP1009Y
<b>Isotype:</b>	IgG
<b>Specificity:</b>	A synthetic peptide corresponding to residues near the N-terminus of human Aurora-B was used as an immunogen.
<b>Species Reactivity:</b>	Human. Does not react with Mouse or Rat. Not tested in other species.
<b>Dilutions:</b>	Suggested working dilutions * immunohistochemistry 1:250-500, immunoprecipitation 1:50, Western Blot 1:50,000, Immunocytochemistry 1:100-250,  * Investigator should determine optimal working dilutions.
<b>Packaging:</b>	0.1 ml Tissue culture supernatant Rabbit ascites.
<b>Buffer:</b>	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, and 0.05% BSA.
<b>Preservative:</b>	0.01% sodium azide
<b>Storage:</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Limitations:</b>	This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.
<b>General References:</b>	1. Katayama H, et al. Cancer Metastasis Rev. 22(4): 451-64, 2003 2. Abdulla A, et al. Cancer Cell International 5(31), 2005

## Image(s)



Immunohistochemical staining of paraffin-embedded human Hodgkin lymphoma using anti-Aurora-B RabMAb