

Catalog Number:	NB110-55479
Background:	Aurora-A is a member of a novel family of serine/threonine kinases that have been identified as key regulators of the mitotic cell division process (1). Aurora-A is ubiquitously expressed and activated through an interaction with Ajuba and TPX2 during late G2 and mitotic phases. Activated form regulates the functions of centrosomes, spindles, and kinetochores required for normal mitotic progression. Initially localized at centrosome during interphase, Aurora-A is translocated to mitotic spindles in early mitotic phase and finally degraded after metaphase
Immunogen:	A synthetic peptide corresponding to residues near the C-terminus of human Aurora A was used as an immunogen.
Clone:	EP1008Y
Isotype:	IgG
Specificity:	A synthetic peptide corresponding to residues near the C-terminus of human Aurora-A was used as an immunogen.
Species Reactivity:	Human. Does not react with Mouse or Rat. Not tested in other species.
Uses:	WB: 1:50,000 IHC: 1:100-250 IP: 1:50 * Other applications have not been tested.
Dilutions:	Suggested working dilutions * immunohistochemistry , immunoprecipitation , Western Blot * Investigator should determine optimal working dilutions.
Packaging:	0.1 ml Tissue culture supernatant Rabbit ascites.
Buffer:	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, and 0.05% BSA.
Preservative:	0.01% sodium azide
Storage:	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
General References:	1. Katayama H, et al. Cancer Metastasis Rev. 22(4): 451-64, 2003 2. Duct D et al, Exp Cell Res. 15;301(1):60-7, 2004. 3. Murimoto T et al, Nat Rev Cancer. Jan;5(1):42-50, 2005.
Gene Id:	6790
Reference Sequence:	O14965

Image(s)



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