

Product datasheet for **AP20206PU-M**

Aurora A (AURKA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 251-300 of Human AURKA.
Specificity:	This antibody detects endogenous levels of of AurA protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 48 kDa
Gene Name:	aurora kinase A
Database Link:	Entrez Gene 20878 Mouse Entrez Gene 261730 Rat Entrez Gene 6790 Human O14965
Background:	Aurora 2/AIK, a cell cycle-regulated serine/threonine protein kinase, is overexpressed in many tumor cell lines. Phosphorylation of threonine 288, which is within the activation loop of the kinase, results in a significant increase in its enzymatic activity. Aurora 2/AIK is regulated by proteasome-dependent degradation, and phosphorylation on Thr288 may target it for degradation during mitosis. Thus, phosphorylation of Aurora 2/AIK at Thr288 is important for both kinase activity and stability.



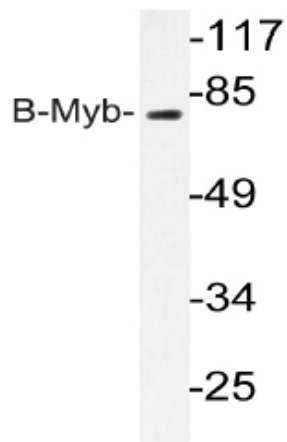
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Synonyms: AURKA, AIK1, ARK1, AURA, BTAK, STK15, STK6, Aurora/IPL1-related kinase 1, AURORA2

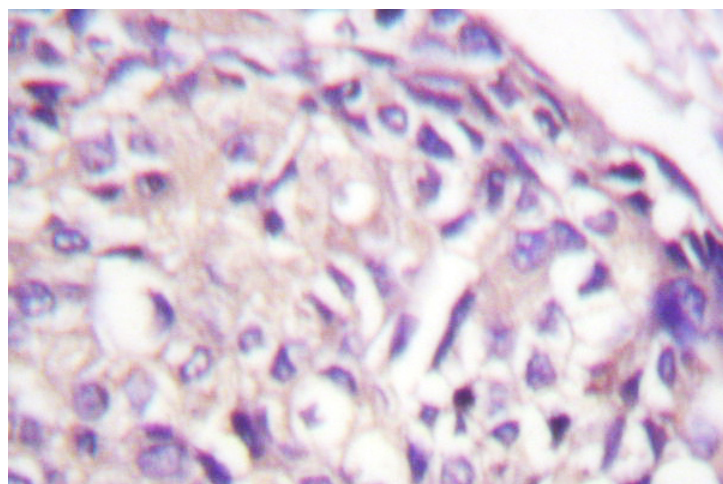
Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Protein Pathways: Oocyte meiosis

Product images:



Western blot (WB) analysis of AurA (pPro282) antibody in extracts from 293 cells.



Immunohistochemistry analysis with AurA (pPro282) antibody on paraffin sections.