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Product datasheet for AP07516PU-N

Aurora A (AURKA) (C-term) Goat Polyclonal Antibody

Product data:

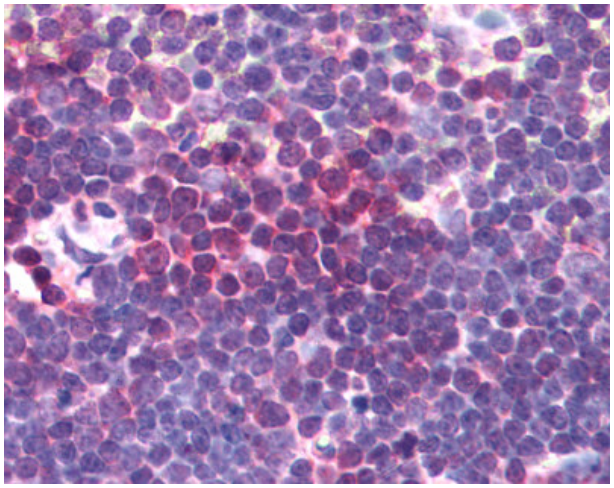
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	**ELISA**. **Immunohistochemistry on Paraffin Sections:** 10 µg/ml. **Immunoprecipitation**. **Western Blot:** 0.5 - 2 µg/ml.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the C-terminus of human AURKA / Aurora-A (NP_003591.2)
Specificity:	Recognizes C-terminus of Human AURKA / Aurora-A. Reported variants represent identical protein: NP_003591.2; NP_940835.1; NP_940836.1; NP_940837.1; NP_940838.1; NP_940839.1
Formulation:	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store 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.
Gene Name:	aurora kinase A
Database Link:	Entrez Gene 6790 Human O14965

View online »

Background: ARK1, an Aurora/IPL1-like protein kinase, functions in centrosome separation, duplication, and maturation and in bipolar spindle assembly and stability. The protein has been shown to localize to centrosomes in S phase as soon as centrioles have been duplicated, and to be degraded in early G1. ARK1 phosphorylation is induced by okadaic acid treatment in vivo. Activated ARK1 has been shown to phosphorylate the spindle apparatus-associated protein, TPX2, and it is believed to be targeted to the spindle apparatus by this protein. At least three alternative splice forms have been reported; however, the alternative splice sites are located in the 5'-untranslated region and appear to have no effect on protein translation. ARK1 has been identified as an oncogene that is overexpressed in several types of solid tumors and tumor cell lines, including those from breast and colon. Additionally, overexpression of ARK1 has been implicated in mechanisms leading to mitotic spindle aberrations, aneuploidy, and genomic instability.

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

Product images:



Thymus: Formalin-Fixed Paraffin-Embedded (FFPE)