

Product datasheet for **AP14756PU-N**

Aurora A (AURKA) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/1,000. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 90-120 amino acids from the N-terminal region of human AIK.
Specificity:	This antibody recognizes Aurora kinase A.
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
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.
Gene Name:	aurora kinase A
Database Link:	Entrez Gene 6790 Human O14965



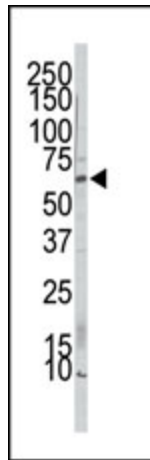
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Background:

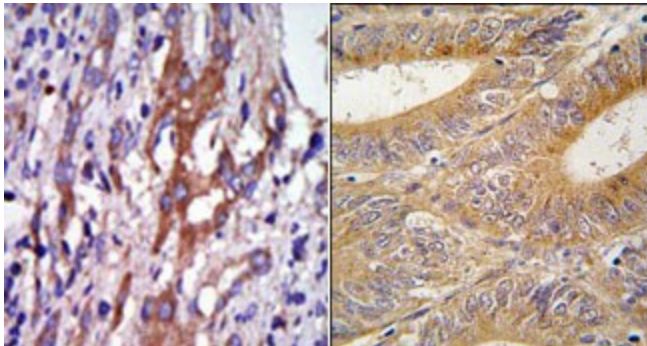
Aurora A (AIK) plays a role in cell cycle regulation during anaphase and/or telophase, in relation to the function of the centrosome/spindle pole region during chromosome segregation. Aurora A plays a key role during tumor development and progression and is overexpressed in many human cancers including breast, ovarian and colorectal. Aurora A is viewed as a potential target for anticancer drug treatment.

Synonyms:

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

Product images:

Western blot analysis of AIK (arrow) using Aurora kinase A antibody in A375 cell lysate. AIK (arrow) was detected using purified Pab. Secondary HRP-anti-Rabbit was used for signal visualization with chemiluminescence.



Formalin-Fixed, Paraffin-Embedded Human cancer (Left) and Human colon carcinoma (Right) tissues reacted with Aurora Kinase A antibody using peroxidase-conjugated secondary antibody followed by DAB staining.