

Product datasheet for **TA329186**

Aurora A (AURKA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-AURKA antibody: synthetic peptide directed towards the C terminal of human AURKA. Synthetic peptide located within the following region: ARDLISRLLKHNPSQRPMLREVLEHPWITANSSKPSNCQNKESASKQS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46 kDa
Gene Name:	aurora kinase A
Database Link:	NP_003591 Entrez Gene 6790 Human O14965



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Background:

AURKA is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. It is found at the centrosome in interphase cells and at the spindle poles in mitosis. This protein may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene. The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene.

Synonyms:

AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15

Note:

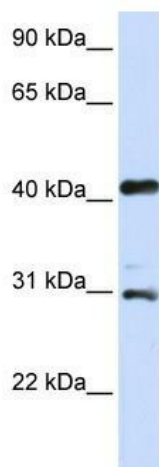
Immunogen sequence homology: Human: 100%; Sheep: 80%; Bovine: 80%

Protein Families:

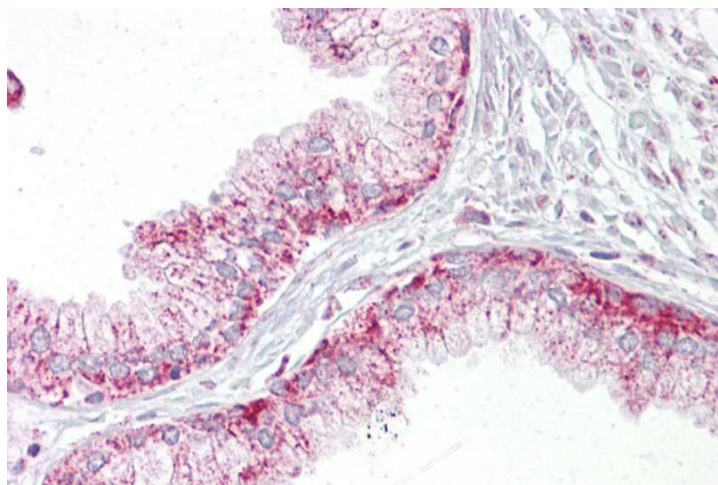
Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Protein Pathways:

Oocyte meiosis

Product images:

WB Suggested Anti-AURKA Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:2500; Positive Control:
293T cell lysate
There is BioGPS gene expression data showing that AURKA is expressed in HEK293T



Immunohistochemistry with Prostate tissue at an antibody concentration of 5ug/ml using anti-AURKA antibody