

Aurora A Polyclonal Antibody

Catalog number: 10297-1-AP

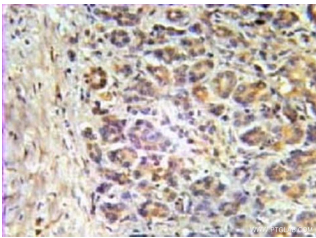
Size: 47 µg/150 µl

Source: Rabbit

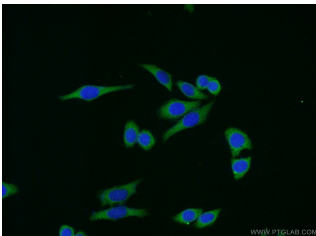
Isotype: IgG

Synonyms:

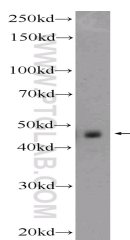
AURKA; AIK, ARK 1, ARK1, AURA, AURKA, Aurora A, aurora kinase A, Aurora related kinase 1, Aurora/IPL1 related kinase 1, AURORA2, Breast tumor amplified kinase, BTAK, hARK1, STK15, STK6, STK7



Immunohistochemical of paraffin-embedded human breast cancer using 10297-1-AP (AURKA antibody) at dilution of 1:10 (under 25x lens)



Immunofluorescent analysis of (-20 Ethanol) fixed HeLa cells using 10297-1-AP (AURKA Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10297-1-AP (AURKA Antibody) at dilution of 1:600

Background

Serine/threonine kinase 6 (STK6), also named as STK15 and AIK, belongs to the Ser/Thr protein kinase family. This protein may play a role in cell cycle regulation during anaphase and/or telophase by being involved in microtubule formation and/or stabilization. Some recent evidence revealed that STK6 may also be implicated in tumor development and progression. STK6 is expressed highly in testis and various proliferating cells, migrating as a 46 kDa protein in SDS PAGE. Nuclear staining for AURKA is weak or nonexistent in normal tissue but strong in tumor tissue (PMID:19107951).

Applications

Tested applications:	ELISA, IHC, WB, IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated Aurora A MW:	46 kDa
Observed Aurora A MW:	46 kDa
Positive WB detected in	HEK-293 cells, SKOV-3 cells, SW 1990 cells
Positive IHC detected in	Human breast cancer tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:10-1:100 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0362
GenBank accession number:	BC002499
Gene ID (NCBI):	6790
Full name:	Aurora kinase A

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.