

For Research Use Only

AURKA Polyclonal antibody

Catalog Number: 28371-1-AP

Featured Product



Basic Information

Catalog Number:

28371-1-AP

Size:

1400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29006

GenBank Accession Number:

BC002499

GeneID (NCBI):

6790

UNIPROT ID:

O14965

Full Name:

aurora kinase A

Calculated MW:

46 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells, SW 1990 cells

IF/ICC : HeLa cells, Caco-2 cells

Background Information

AURKA (Aurora kinase A), also named as STK6, STK15 or 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 AURKA may also be implicated in tumor development and progression. AURKA 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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

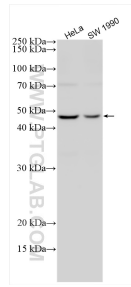
T: 4006900926

E: Proteintech-CN@ptglab.com

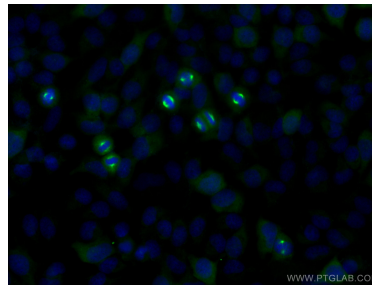
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

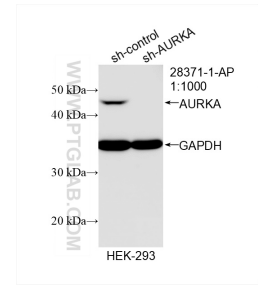
Selected Validation Data



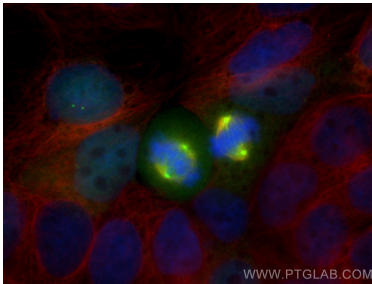
Various lysates were subjected to SDS PAGE followed by western blot with 28371-1-AP (AURKA antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using AURKA antibody (28371-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of AURKA antibody (28371-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AURKA transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using AURKA antibody (28371-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).