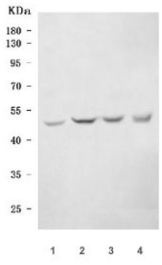
Ark-1 Antibody / Aurora-related kinase 1 / Aurka (RQ7273)

Catalog No.	Formulation	Size
RQ7273	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P97477
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Ark-1 antibody is available for research use only.



Western blot testing of 1) rat testis, 2) mouse testis, 3) mouse thymus and 4) mouse HEPA1-6 cell lysate with Ark-1 antibody. Predicted molecular weight ~45 kDa.

Description

AURKA (Aurora kinase A), also called ARK-1 (Aurora-related kinase 1), AurA, AIK, AURORA2, BTAK, PPP1R47, STK7, STK15, and STK6 is a mitotic centrosomal protein kinase. The main role of AURKA/ARK-1 in tumor development is in controlling chromosome segregation during mitosis. Aurora A / Aurora-related kinase 1 is a member of a family of mitotic serine/threonine kinases. The AURKA gene is overexpressed in many human cancers. Ectopic overexpression in mammalian cells induces centrosome amplification, chromosome instability, and oncogenic transformation, a phenotype characteristic of loss-of-function mutations of p53.

Application Notes

Optimal dilution of the Ark-1 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids M1-S395) was used as the immunogen for the Ark-1 antibody.

Storage

After reconstitution, the Ark-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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