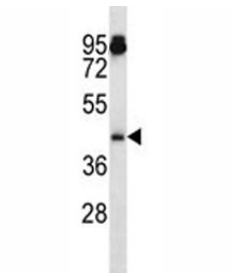
Aurka Antibody (F44002)

Catalog No.	Formulation	Size
F44002-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44002-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P97477
Applications	Western blot: 1:1000
Limitations	This Aurka antibody is available for research use only.



Aurka antibody western blot analysis in mouse NIH3T3 lysate. Predicted molecular weight ~45 kDa.

Description

Contributes to the regulation of cell cycle progression. Required for normal mitosis. Associates with the centrosome and the spindle microtubules during mitosis and functions in centrosome maturation, spindle assembly, maintenance of spindle bipolarity, centrosome separation and mitotic checkpoint control. Phosphorylates numerous target proteins, including ARHGEF2, BRCA1, KIF2A, NDEL1, PARD3, PLK1 and BORA. Regulates KIF2A tubulin depolymerase activity (By similarity). Required for normal axon formation. Plays a role in microtubule remodeling during neurite extension. Important for microtubule formation and/or stabilization.

Application Notes

Titration of the Aurka antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 93-120 from the mouse protein was used as the immunogen for this Aurka antibody.

Storage

Aliquot the Aurka antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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