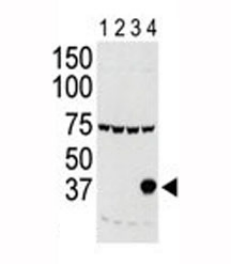
Aurora-C Antibody (F50012)

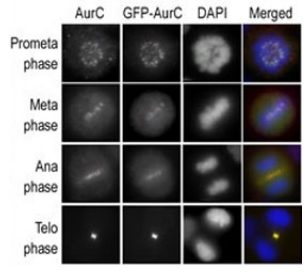
Catalog No.	Formulation	Size
F50012-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50012-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9UQB9
Applications	Western blot: 1:1000
Limitations	This Aurora-C antibody is available for research use only.



Western blot testing of Aurora-C antibody and lysate of 293 cells expressing 1) Flag tag, 2) Flag-tagged -A, 3) -B and 4) Aurora-C.



Immunofluorescence staining of HeLa cells expressing GFP-Aurora-C is performed at different cellular mitotic stages with A) Aurora-C antibody, B) GFP fluorescence, C) DAPI nuclear staining, and D) anti-Aurora-C merged to DAPI staining.

Description

Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases, members of the Ser/Thr protein kinase family, associate with microtubules during chromosome movement and segregation. Aurora kinase C may play a part in organizing microtubules in relation to the function of the centrosome/spindle pole during mitosis. This protein is localized to centrosome from anaphase to cytokinesis. Expression is limited to testis in normal cells. Elevated expression levels are seen only in a subset of cancer cells such as HepG2, HuH7 and HeLa cells. Aurora-C expression is maximum at M phase.

Application Notes

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

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this Aurora-C antibody.

Storage

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

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