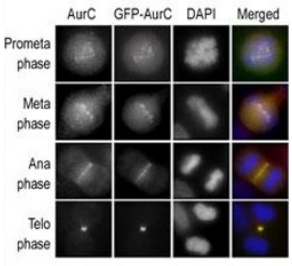
# Aurora-C Antibody (F50011)

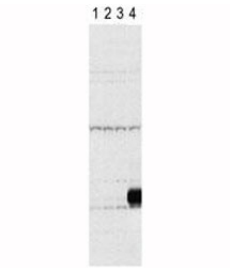
| Catalog No. | Formulation | Size |
|---|---|---|
| F50011-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F50011-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

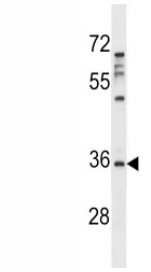
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | Q9UQB9 |
| **Applications** | Western Blot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




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




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




Aurora-C antibody western blot analysis in MDA-MB231 lysate. Predicted molecular weight ~33 kDa.

## 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 3-38 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com