



# Anti-AURKA (aa 1-100) polyclonal antibody (DPAB-DC2986)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene. |
| <b>Immunogen</b>           | AURKA (NP_940836, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is<br>MDRSKENCISGPVKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQRIPLQ<br>AQKLVS SHKPVQNNQKQQLQATSVPHVSRPLNNTQKSKQ   |
| <b>Source/Host</b>         | Mouse   |
| <b>Species Reactivity</b>  | Human   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | WB (Recombinant protein), ELISA,  |
| <b>Size</b>                | 50 µl   |
| <b>Buffer</b>              | 50 % glycerol   |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.  |

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">AURKA aurora kinase A [ Homo sapiens (human) ]</a>  |
| <b>Official Symbol</b>     | AURKA   |
| <b>Synonyms</b>            | AURKA; aurora kinase A; AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; PPP1R47; ARK-1; hARK1; aurora 2; Aurora-A kinase; IPL1-related kinase; aurora-related kinase 1; aurora/IPL1-like kinase; serine/threonine kinase 6; aurora/IPL1-related kinase 1; breast tumor-amplified kinase; breast-tumor-amplified kinase; serine/threonine-protein kinase 6; serine/threonine protein kinase 15; serine/threonine-protein kinase 15; serine/threonine-protein kinase aurora-A; protein phosphatase 1, regulatory subunit 47; |
| <b>Entrez Gene ID</b>      | <a href="#">6790</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_003591</a>   |
| <b>UniProt ID</b>          | <a href="#">O14965</a>  |
| <b>Chromosome Location</b> | 20q13   |
| <b>Pathway</b>             | APC/C-mediated degradation of cell cycle proteins; Aurora A signaling; Cell Cycle; G2/M Transition  |
| <b>Function</b>            | ATP binding; protein binding; protein kinase activity; protein kinase binding   |