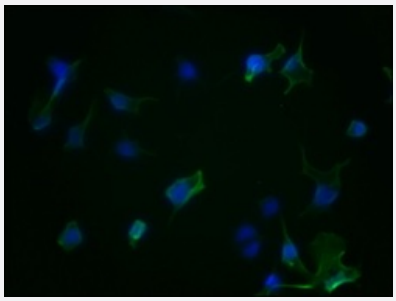
RecomAb™ Sm Size

# AURKA recombinant monoclonal antibody, clone 1H8

Catalog # RAB08293 Size 50 uL

## Applications



### Immunofluorescence

Immunofluorescent staining of Hela cells with AURKA recombinant monoclonal antibody (diluated at 1:50). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human AURKA. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human AURKA. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunofluorescence (1:20-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide) |

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| | |
|---|---|
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunofluorescence

  Immunofluorescent staining of Hela cells with AURKA recombinant monoclonal antibody (diluated at 1:50). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — AURKA

| | |
|---|---|
| **Entrez GeneID** | 6790 |
| **Protein Accession#** | O14965 |
| **Gene Name** | AURKA |
| **Gene Alias** | AIK, ARK1, AURA, AURORA2, BTAK, MGC34538, STK15, STK6, STK7 |
| **Gene Description** | aurora kinase A |
| **Omim ID** | 114500 603072 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in m icrotubule 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 thi s gene has been found on chromosome 1, and an unprocessed pseudogene has been found on c hromosome 10. Multiple transcript variants encoding the same protein have been found for this ge ne. [provided by RefSeq |
| **Other Designations** | IPL1-related kinase\|OTTHUMP00000031340\|OTTHUMP00000031342\|OTTHUMP00000031343 \|OTTHUMP00000031344\|OTTHUMP00000031345\|OTTHUMP00000166071\|aurora-A\|aurora-rel ated kinase 1\|aurora/IPL1-like kinase\|breast-tumor-amplified kinase\|serine/threonine kinase 15\|s erine/ |

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## Disease

- Adenocarcinoma
- Body Weight
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Chromosome Aberrations
- Colonic Neoplasms
- Colorectal Neoplasms
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Genomic Instability
- Head and Neck Neoplasms
- Kidney Neoplasms
- Liver Neoplasms
- Lung Neoplasms
- Mouth Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms

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- Pancreatic cancer
- Pancreatic Neoplasms
- Precancerous Conditions
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Skin Neoplasms
- Stomach Neoplasms
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Neoplasms
- Werner syndrome

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