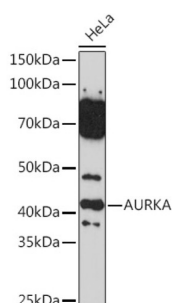
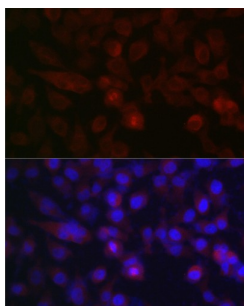


## Aurora Kinase A (AURKA) Antibody

Catalogue No.: abx001733



Western blot analysis of lysates from HeLa cells, using AURKA Antibody at 1/500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.



Immunofluorescence analysis of HeLa cells using AURKA Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

AURKA Antibody is a Rabbit Polyclonal antibody against AURKA. Aurora A (AIK) is a cell cycle-regulated Ser/Thr protein kinase that is overexpressed in many tumor cell lines. Phosphorylation of Aurora A at Thr288 within the kinase activation loop results in a significant increase in its activity and may target the protein for proteasomal degradation during mitosis. The closely-related kinase Aurora B (AIM1) has been implicated in multiple mitotic events, and siRNA silencing of Aurora B expression results in reduced histone H3 phosphorylation, aberrant chromosome alignment/segregation, and altered survivin localization.

**Target:** Aurora Kinase A (AURKA)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse

**Tested Applications:** ELISA, WB, IF/ICC

**Host:** Rabbit

**Recommended dilutions:** ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Synthetic peptide corresponding to AURKA. The exact sequence is proprietary.

**Isotype:** IgG

# Datasheet

Version: 5.0.0

Revision date: 11 Oct 2025



<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	O14965 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	AURKA
<b>GeneID:</b>	<a href="#">6790</a>
<b>OMIM:</b>	<a href="#">603072</a>
<b>NCBI Accession:</b>	NP_003591.2
<b>HGNC:</b>	11393
<b>KEGG:</b>	hsa:6790
<b>Ensembl:</b>	ENSG00000087586
<b>String:</b>	<a href="#">9606.ENSP00000216911</a>
<b>Molecular Weight:</b>	Calculated MW: 46 kDa Observed MW: 46 kDa
<b>Buffer:</b>	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
<b>Concentration:</b>	7.97 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.