

Datasheet for ABIN7265782
anti-Aurora Kinase B antibody[Go to Product page](#)

2 Images

Overview

| | |
|--------------|--|
| Quantity: | 100 µL |
| Target: | Aurora Kinase B (AURKB) |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This Aurora Kinase B antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|--|
| Purpose: | Aurora B Rabbit mAb |
| Immunogen: | A synthesized peptide derived from human Aurora B. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Monoclonal Antibodies |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|--|
| Target: | Aurora Kinase B (AURKB) |
| Alternative Name: | AURKB (AURKB Products) |
| Background: | This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The |

Target Details

genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2015],AIK2,AIM-1,AIM1,ARK2,AurB,IPL1,PPP1R48,STK12,STK5,aurkb-sv1,aurkb-sv2,AURKB,Aurora B,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Centromere,Cytoskeleton_Microtubules,Epigenetic writers and erasers of core Histones,Epigenetic writers and erasers of core Histones_Phosphorylation,Epigenetics & Nuclear Signaling,Kinase,Kinase_Serine/threonine kinases,Signal Transduction,AURKB

Molecular Weight: 39kDa

Gene ID: 9212

UniProt: [Q96GD4](#)

Pathways: [TCR Signaling](#), [Cell Division Cycle](#), [Maintenance of Protein Location](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

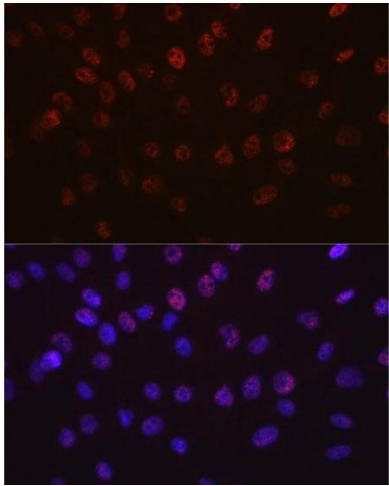
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

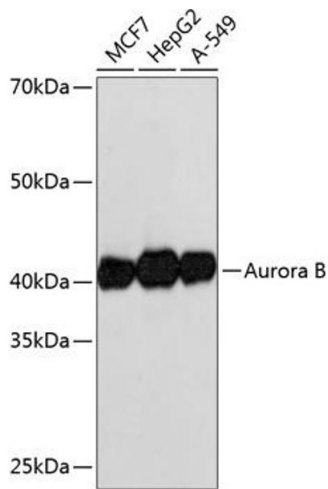
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using Aurora B antibody (ABIN7265782). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Aurora B antibody (ABIN7265782) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.