**Product Datasheet**

# AurB/C (Ab-202/175) Antibody

Catalog No: #33177

Package Size: #33177-1 50ul #33177-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

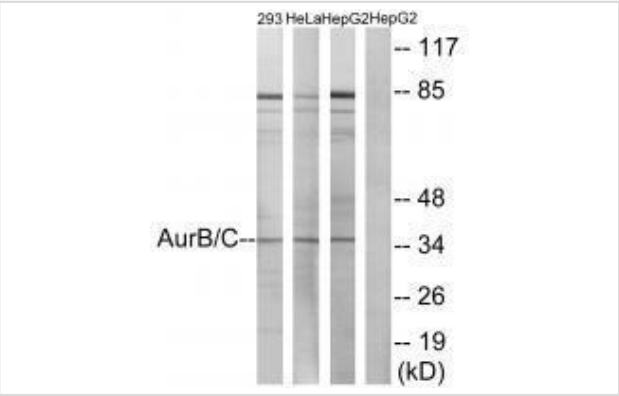
## Description

| | |
|---|---|
| Product Name | AurB/C (Ab-202/175) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Applications | WB |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous levels of total AurB/C protein. |
| Immunogen Type | Peptide |
| Immunogen Description | Synthesized non-phosphopeptide derived from human AurB/C around the phosphorylation site of threonine 202/175 (C-G-T(p)-L-D). |
| Target Name | AurB/C |
| Other Names | AIE1; AIE2; AURKC; Aurora-C; Aurora/Ipl1-related kinase 3 |
| Accession No. | Swiss-Prot: Q9UQB9NCBI Gene ID: 9212/6795 |
| Uniprot | Q9UQB9 |
| GeneID | 6795; |
| SDS-PAGE MW | 39kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

## Application Details

Western blotting: 1:500~1:3000

## Images




Western blot analysis of extracts from 293, Hela and HepG2 cells, using AurB/C (Ab-202/175) antibody #33177.

## Background

Serine/threonine-protein kinase component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Plays also a role in meiosis and more particularly in spermatogenesis. Has redundant cellular functions with AURKB and can rescue an AURKB knockdown. Like AURKB, AURKC phosphorylates histone H3 at 'Ser-10' and 'Ser-28'. Phosphorylates TACC1, another protein involved in cell division, at 'Ser-228'.

Tseng T.-C., DNA Cell Biol. 17:823-833(1998).
Bernard M., Genomics 53:406-409(1998).
Kimura M., J. Biol. Chem. 274:7334-7340(1999)

Note: This product is for in vitro research use only