Product Datasheet

# AurB/C (Phospho-Thr236/202) Antibody

Catalog No: #12111

Package Size: #12111-1 50ul #12111-2 100ul

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

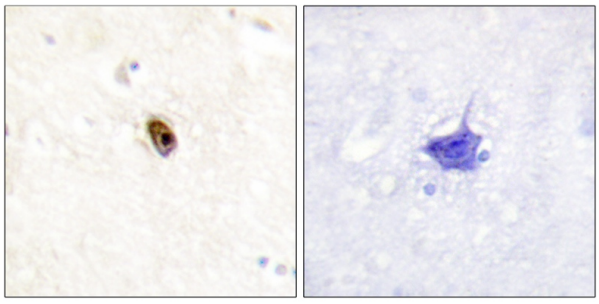
## Description

| | |
|---|---|
| Product Name | AurB/C (Phospho-Thr236/202) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide. |
| Applications | IHC |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous levels of AurB/C only when phosphorylated at threonine 236/202. |
| Immunogen Type | peptide |
| Immunogen Description | Peptide sequence around phosphorylation site of threonine 236/202 (C-G-T(p)-L-D) derived from Human AurB/C. |
| Target Name | AurB/C |
| Modification | Phospho |
| Other Names | AIE1; AIE2; AURKC; Aurora-C; Aurora/Ipl1-related kinase 3; Aurora/Ipl1/Eg2 protein 1; Aurora/Ipl1/Eg2 protein 2; EC 2.7.11.1; STK13; STKD; Serine/threonine protein kinase 13; kinase AIK3 |
| Accession No. | Swiss-Prot#:Q9UQB9;NCBI Gene#:9212/6795 |
| Calculated MW | 35kd |
| 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

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue using AurB/C (Phospho-Thr236/202) antibody #12111. The picture on the right is treated with the synthesized peptide.

## 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'.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.