

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

Catalog No: #12111

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

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

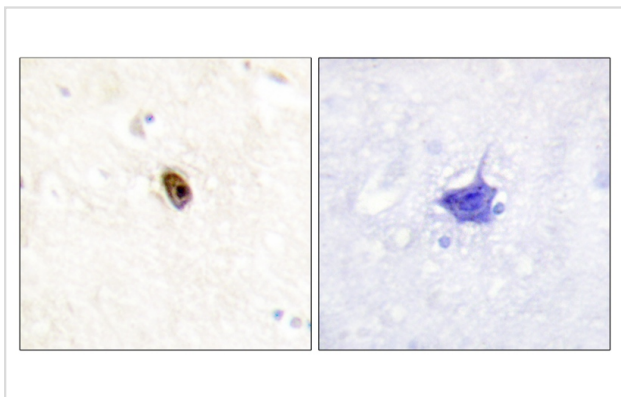
## Description

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 chromatography 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
Uniprot	Q9UQB9
GeneID	6795;
Calculated MW	35kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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