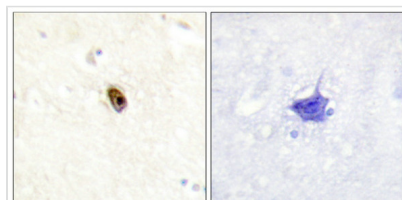


# Phospho-AURKC (Thr236/202) Antibody

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-PA238732                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Uniprot No.</b>         | Q9UQB9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>           | Peptide sequence around phosphorylation site of threonine 236/202 (C-G-T(p)-L-D) derived from Human AurB/C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species Reactivity</b>  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Specificity</b>         | The antibody detects endogenous levels of AurB/C only when phosphorylated at threonine 236/202.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tested Applications</b> | ELISA,IHC;IHC:1:50-1:100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Relevance</b>           | 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'. |
| <b>Form</b>                | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification Method</b> | 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 usi                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Alias</b>               | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>        | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Target Names</b>        | AURKC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Image



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



**Product Modify**

Phospho-Thr236/202