# **\*** abeomics

## Phospho-Aurora A (Thr288)/Aurora B (Thr232)/Aurora C (Thr198) (Clone: CC12) rabbit mAb

<b>Clonality</b> :	Monoclonal
<b>Clone Name :</b>	AuroraABC-CC12
<b>Application</b> :	FACS
<b>Reactivity</b> :	Human
Conjugate :	Unconjugated
Format :	Purified
Alternative Name : Aurora kinase A/B/C, AURKA, AURKB, AURKC	
Isotype :	Rabbit IgG1k

#### **Description**

Aurora kinases (serine/threonine kinases) are essential requirement for the onset and progression of mitosis. These kinases share a similar protein structure as well as kinase activity, however each kinase display distinct cellular and subcellular localization. Each Aurora member is phosphorylated at specific residues upon co-factor binding during mitosis. Aurora kinases acquire active kinase conformations due to the activation loop. The active kinase conformation is acquired upon autophosphorylation through an intermolecular (trans)-reaction within Aurora kinase domain. Aurora Kinase A (Aurora A) is involved in G2/M transition. AuroraA promotes centrosome maturation and mitotic spindle assembly, whereas AuroraB and AuroraC act as chromosome-passenger complex proteins. They play a crucial role in chromosomal binding to kinetochores and segregation of chromosomes. Aurora B is widely distributed in the cell, while AuroraC is expressed mainly in the meiotically-active germ cells. Aurora kinases are auto-phosphorylated into active forms at conserved threonine residues (i.e. the Thr288 (AurA), Thr232 (AurB) and Thr195 (AurC) residues). AuroraA auto-phosphorylation is initiated by several co-factors acting at different steps of mitosis. AroraB and AruroaC auto-phosphorylation are mediated by survivin and Borealin proteins.

#### **Product Info**

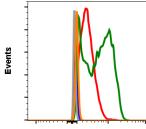
Amount :	200 l µl
<b>Content</b> :	1X PBS, 0.02% NaN3, 50% Glycerol, 0.1% BSA
Storage condition a	Store at -20°C. Avoid repeated freeze and thaw cycles.

### **Application Note**

 $1\mu g/mL - 0.001\mu g/mL$ . It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.(0.5mg/ml, more than 200 western blots)



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Phospho-Aurora A/B/C

