

## Product datasheet for **AP55931PU-S**

### Aurora B (AURKB) pThr232 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of threonine 232 (R-K-T(p)-M-C) derived from Human AurB (KLH-conjugated)
Specificity:	The antibody detects endogenous level of AurB only when phosphorylated at threonine 232.
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 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	39 kDa
Gene Name:	aurora kinase B
Database Link:	<a href="#">Entrez Gene 9212 Human Q96GD4</a>



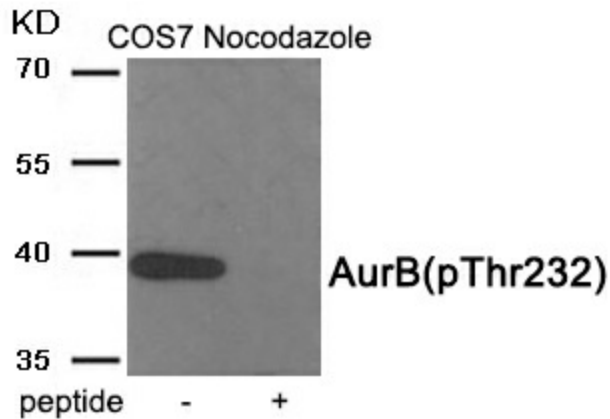
[View online »](#)

**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. Involved in the bipolar attachment of spindle microtubules to kinetochores and is a key regulator for the onset of cytokinesis during mitosis. Required for central/midzone spindle assembly and cleavage furrow formation. AURKB phosphorylates the CPC complex subunits BIRC5/survivin, CDCA8/borealin and INCENP. Phosphorylation of INCENP leads to increased AURKB activity.

**Synonyms:**

Aurora-B, Aurora/IPL1-related kinase 2, STK-1, AURKB, AIK2, AIM1, ARK2, STK12

**Product images:**

Western blot analysis of extracts from COS7 cells treated with Nocodazole using Phospho-AurB (Thr232) Antibody. The lane on the right is treated with the antigen-specific peptide.