

## Product datasheet for **AP06627PU-S**

### Aurora B (AURKB) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 163-213 of Human AURKB.
Specificity:	This antibody detects endogenous levels of AurB/C protein. (region surrounding Lys197)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 35, 39 kDa
Gene Name:	aurora kinase B
Database Link:	<a href="#">Entrez Gene 9212 Human Q96GD4</a>



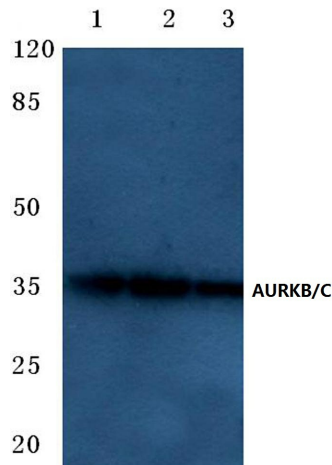
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**Background:**

Aurora kinases belong to a highly conserved family of mitotic serine/threonine kinases with three members identified among mammals: Aurora A, B, and C. Studies on the temporal expression pattern and subcellular localization of Aurora kinases in mitotic cells suggest an association with mitotic structure. Aurora kinase functional influences span from G2 phase to cytokinesis and may be involved in key cell cycle events such as centrosome duplication, chromosome bi-orientation and segregation, cleavage furrow positioning, and ingression.

**Synonyms:**

Aurora B, Aurora C, STK12/STK13, AIK2/AIK3, AURKB, AuRKC

**Product images:**

Western blot (WB) analysis of AURKB/C antibody at 1/500 dilution Lane 1: Hela whole cell lysate Lane 2: SP2/O whole cell lysate Lane 3: Rat brain tissue lysate