

## Product datasheet for **TA500553**

### Aurora C (AURKC) Mouse Monoclonal Antibody [Clone ID: OTI4F7]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI4F7   |
| Applications:           | WB   |
| Recommended Dilution:   | WB 1:500   |
| Reactivity:             | Human  |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full-length protein expressed in 293T cell transfected with human AURKC expression vector  |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:          | 0.84 mg/ml   |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 35.6 kDa   |
| Gene Name:              | aurora kinase C  |
| Database Link:          | <a href="#">NP_001015878</a><br><a href="#">Entrez Gene 6795 Human</a><br><a href="#">Q9UQB9</a>   |
| Background:             | This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases. The encoded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spindle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results in multiple transcript variants. |

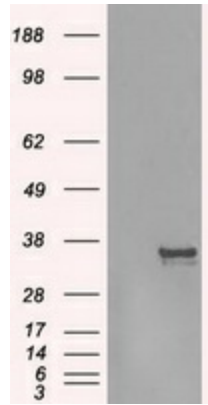


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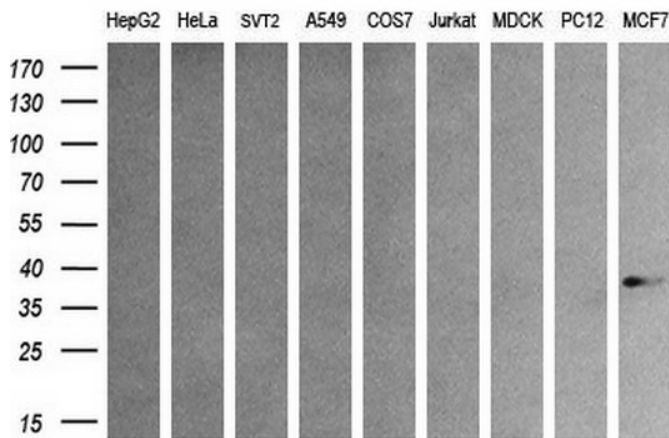
**Synonyms:** AIE2; AIK3; ARK3; AurC; aurora-C; HEL-S-90; SPGF5; STK13

**Protein Families:** Druggable Genome, Protein Kinase

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AURKC ([RC213890], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AURKC. Positive lysates [LY423127] (100ug) and [LC423127] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-AURKC monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).