

## Product datasheet for **AM06573SU-N**

### Aurora A (AURKA) Mouse Monoclonal Antibody [Clone ID: 4G10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4G10
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human, Monkey, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human AURKA expressed in E. Coli.
Specificity:	Recognizes Aurora kinase A
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody 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:	48 kDa
Gene Name:	aurora kinase A
Database Link:	<a href="#">Entrez Gene 6790 Human O14965</a>



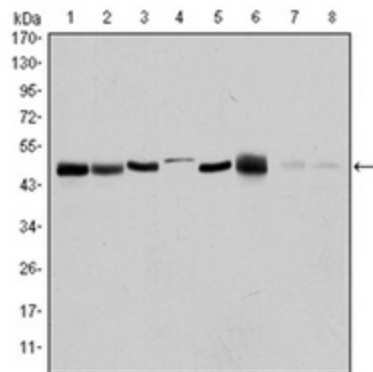
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**Background:**

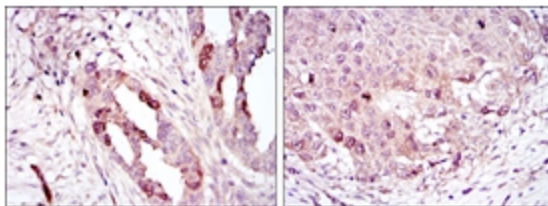
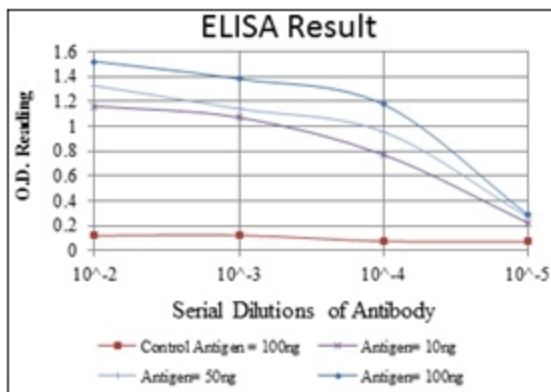
Aurora A plays a role in cell cycle regulation during anaphase and/or telophase, in relation to the function of the centrosome/spindle pole region during chromosome segregation. Aurora A plays a key role during tumor development and progression and is overexpressed in many human cancers including breast, ovarian and colorectal. Aurora A is viewed as a potential target for anticancer drug treatment. Tissue specificity: Highly expressed in testis and weakly in skeletal muscle, thymus and spleen. Also highly expressed in colon, ovarian, prostate, neuroblastoma, breast and cervical cancer cell lines.

**Synonyms:**

AURKA, AIK1, ARK1, AURA, BTAK, STK15, STK6, Aurora/IPL1-related kinase 1, AURORA2

**Product images:**


Western blot analysis using AURKA antibody Cat.-No AM06573SU-N against HEK293 (1), Sw620 (2), MCF-7 (3), Jurkat (4), Hela (5), HepG2 (6), Cos7 (7) and PC-12 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and lung cancer (right) using AURKA antibody Cat.-No AM06573SU-N with DAB staining.