



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Rabbit Anti Human Aurora-A Kinase

With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-PB-00213

**Target Species**  
Human

**Isotype**  
IgG

### **Synonyms**

AIK, ARK1, AURA, BTAK, STK15, STK6

### **Preparation**

**Immunogen:** Synthetic peptide corresponding to a region of human Aurora A Kinase encoded within exon 5.

**Purification:** Antisera to human Aurora A Kinase were raised by repeated immunizations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### **Formulation**

**Product Type:** Polyclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Tris-citrate/phosphate

**Preservative Stabilizers:** 0.09% Sodium Azide ( $\text{NaN}_3$ )

**Approx. Protein Concentration:** IgG concentration 1.0 mg/ml

### **Specificity**

DS-PB-00213 is specific for human Aurora A Kinase, also known as Serine/Threonine Kinase 6 (STK6).

Aurora A Kinase is a cell-cycle regulated kinase that has an important role in centrosome maturation and chromosome segregation. This protein is found at the centrosome in interphase cells and at the spindle poles in mitosis.

Recent studies have revealed that Aurora A Kinase is frequently overexpressed in various human carcinomas, which would suggest that this protein may be involved in tumorigenesis.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### Storage

Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of shipment

### Applications

**Table Summary of antibody applications and working conditions**

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA			•	
Western Blotting		•		
IHC - Frozen	•			1:250 - 1:1000
IHC - Paraffin			•	
Flow Cytometry			•	
Immunoprecipitation	•			2ug/mg protein - 10ug/mg protein

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### Secondary Antibody Applications

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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