

## Rat Serine/threonine-protein kinase SIK2 (SIK2) ELISA Kit | SIK2 elisa kit

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CATALOG #  
**AAA246332**

REACTIVITY  
**Rat**

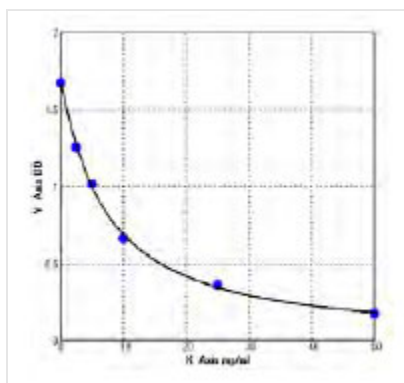
### PRODUCT SYNONYMS

Serine/threonine-protein kinase SIK2 (SIK2); Rat Serine/threonine-protein kinase SIK2 (SIK2) ELISA Kit; SIK2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of SIK2. No significant cross-reactivity or interference between SIK2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SIK2 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SIK2 elisa kit | <p>Intended Uses: This SIK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SIK2. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: SIK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SIK2 antibody and an SIK2-HRP conjugate. The assay sample and buffer are incubated together with SIK2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SIK2 concentration since SIK2 from samples and SIK2-HRP conjugate compete for the anti-SIK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by SIK2 from the sample, fewer sites are left to bind SIK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SIK2 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for SIK2 elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                         |                                      |
|-------------------------|--------------------------------------|
| NCBI GI #               | 685964756                            |
| NCBI Official Full Name | Serine/threonine-protein kinase SIK2 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/serine-threonine-protein-kinase-sik2-sik2/246332>