

## Rat kininogen 1 ELISA Kit | KNG1 elisa kit

Rat kininogen, KNG ELISA Kit

CATALOG #  
**AAA80615**

REACTIVITY  
**Rat**

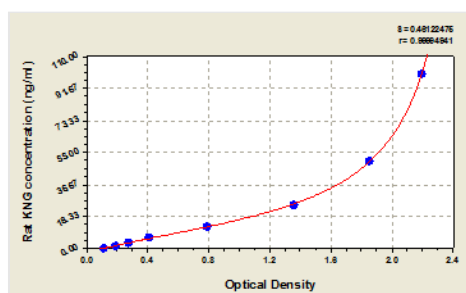
### PRODUCT SYNONYMS

kininogen 1; Rat kininogen; KNG ELISA Kit; Rat kininogen (KNG) ELISA Kit; BDK; KNG; alpha-2-thiol proteinase inhibitor; bradykinin; KNG1 elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Rat                                                                                                                                                                                                                                                                                                                       |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Rat KNG1. No significant cross-reactivity or interference between Rat KNG1 and analogues was observed.                                                                                                                                         |
| Sequence Length              | 639                                                                                                                                                                                                                                                                                                                       |
| Detection Range              | 1.6 ng/ml-100 ng/ml                                                                                                                                                                                                                                                                                                       |
| Sensitivity                  | 0.4 ng/ml                                                                                                                                                                                                                                                                                                                 |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Blood Coagulation                                                                                                                                                                                                                                                                                                         |
| Protein Biological Process 3 | Blood coagulation                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for KNG1 elisa kit | <b>Principle of the Assay:</b> The microtiter plate provided in this kit has been pre-coated with an antibody specific to KNG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for KNG and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain KNG, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of KNG in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 7549773                  |
| NCBI GeneID                      | 25087                    |
| NCBI Accession #                 | NP_036873.1              |
| NCBI GenBank Nucleotide #        | NM_012741.1              |
| UniProt Accession #              | P08934; P08933           |
| Molecular Weight                 | 70,933 Da                |
| NCBI Official Full Name          | kininogen-1 isoform 1    |
| NCBI Official Synonym Full Names | kininogen 2              |
| NCBI Official Symbol             | Kng2                     |
| NCBI Official Synonym Symbols    | Kng1; Kngk; KINKG; KINKH |
| NCBI Protein Information         | kininogen-1; K-kininogen |
| UniProt Protein Name             | Kininogen-1              |
| UniProt Gene Name                | <b>Kng1</b>              |
| UniProt Synonym Gene Names       | Kng                      |
| UniProt Entry Name               | KNG1_RAT                 |

**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.

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Online datasheet: <https://stage.aaabiotech.com/kng1-rat-elisa-kits/kininogen-1/80615>