

## Canine Prokineticin Receptor 2 ELISA Kit | PKR2 elisa kit

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CATALOG #  
**AAA96131**

REACTIVITY  
**Canine**

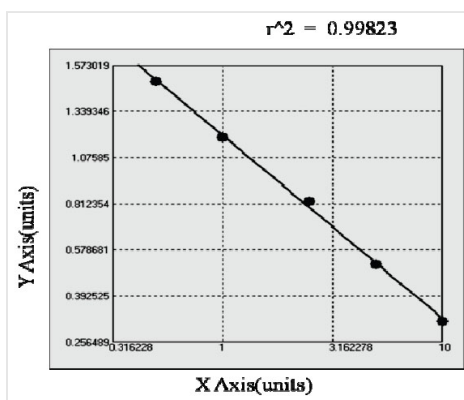
### PRODUCT SYNONYMS

Prokineticin Receptor 2; Canine Prokineticin Receptor 2 ELISA Kit; PKR2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Canine                                                                     |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | 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 PKR2 elisa kit

**Intended Uses:** This PKR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PKR2. This ELISA kit for research use only!

**Principle of the Assay:** PKR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKR2 antibody and an PKR2-HRP conjugate. The assay sample and buffer are incubated together with PKR2-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 PKR2 concentration since PKR2 from samples and PKR2-HRP conjugate compete for the anti-PKR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PKR2 from the sample, fewer sites are left to bind PKR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKR2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 21426829                                                             |
| NCBI GeneID                      | 128674                                                               |
| NCBI Accession #                 | NP_658986.1                                                          |
| NCBI GenBank Nucleotide #        | NM_144773.2                                                          |
| Molecular Weight                 | 43,996 Da                                                            |
| NCBI Official Full Name          | prokineticin receptor 2                                              |
| NCBI Official Synonym Full Names | prokineticin receptor 2                                              |
| NCBI Official Symbol             | PROKR2                                                               |
| NCBI Official Synonym Symbols    | HH3; KAL3; PKR2; GPRg2; GPR73b; GPR73L1; dJ680N4.3                   |
| NCBI Protein Information         | prokineticin receptor 2; PK-R2; G protein-coupled receptor 73-like 1 |
| UniProt Protein Name             | Prokineticin receptor 2                                              |
| UniProt Gene Name                | <b>PROKR2</b>                                                        |
| UniProt Synonym Gene Names       | GPR73L1; PKR2; PK-R2                                                 |
| UniProt Entry Name               | PKR2_HUMAN                                                           |

**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/pkr2-canine-elisa-kits/prokineticin-receptor-2/96131>