

Canine Protein Kinase N1 ELISA Kit | PKN1 elisa kit

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CATALOG #
AAA94673

REACTIVITY
Canine

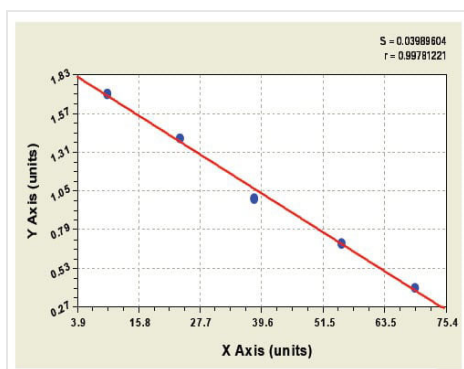
PRODUCT SYNONYMS

Protein Kinase N1; Canine Protein Kinase N1 ELISA Kit; PKN1 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.
Intended Uses	This PKN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PKN1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKN1 elisa kit

Principle of the assay: PKN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKN1 antibody and an PKN1-HRP conjugate. The assay sample and buffer are incubated together with PKN1-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 PKN1 concentration since PKN1 from samples and PKN1-HRP conjugate compete for the anti-PKN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PKN1 from the sample, fewer sites are left to bind PKN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKN1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PKN1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	25304069
NCBI GeneID	5585
Molecular Weight	66,060 Da
NCBI Official Full Name	Protein kinase N1
NCBI Official Synonym Full Names	protein kinase N1
NCBI Official Symbol	PKN1
NCBI Official Synonym Symbols	DBK; PKN; PAK1; PRK1; PAK-1; PRKCL1; PKN-ALPHA
NCBI Protein Information	serine/threonine-protein kinase N1; protein kinase C-like 1; protein kinase PKN-alpha; protein kinase C-like PKN; serine-threonine kinase N; protease-activated kinase 1; protein kinase C-related kinase 1; protein-kinase C-related kinase 1; serine-threonine protein kinase N; serine/threonine protein kinase N
UniProt Protein Name	Serine/threonine-protein kinase N1
UniProt Gene Name	PKN1
UniProt Synonym Gene Names	PAK1; PKN; PRK1; PRKCL1; PAK-1
UniProt Entry Name	PKN1_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/pkn1-canine-elisa-kits/protein-kinase-n1/94673>