

Canine Karyopherin Alpha 2 ELISA Kit | KPNa2 elisa kit

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CATALOG #
AAA245934

REACTIVITY
Canine

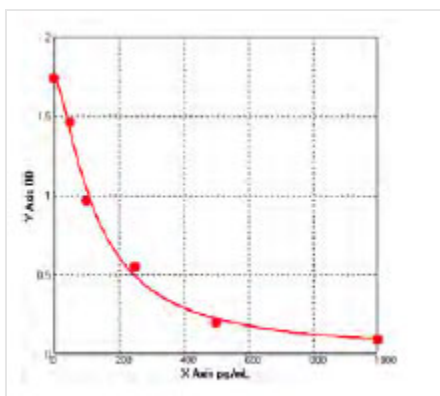
PRODUCT SYNONYMS

Karyopherin Alpha 2; Canine Karyopherin Alpha 2 ELISA Kit; KPNa2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KPNa2 elisa kit

Intended Uses: This KLKB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat KLKB1. This ELISA kit for research use only!

Principle of the Assay: KLKB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-KLKB1 antibody and an KLKB1-HRP conjugate. The assay sample and buffer are incubated together with KLKB1-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 KLKB1 concentration since KLKB1 from samples and KLKB1-HRP conjugate compete for the anti-KLKB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by KLKB1 from the sample, fewer sites are left to bind KLKB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLKB1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15865453
NCBI GeneID	3838
UniProt Accession #	P52292; Q53YE3; Q9BRU5; B9EJD6
Molecular Weight	57,862 Da
NCBI Official Full Name	karyopherin alpha 2
NCBI Official Synonym Full Names	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)
NCBI Official Symbol	KPNA2
NCBI Official Synonym Symbols	QIP2; RCH1; IPOA1; SRP1alpha
NCBI Protein Information	importin subunit alpha-1; pendulin; SRP1-alpha; RAG cohort 1; importin alpha 1; importin alpha 2; importin-alpha-P1; RAG cohort protein 1; importin subunit alpha-2; karyopherin subunit alpha-2
UniProt Protein Name	Importin subunit alpha-1
UniProt Gene Name	KPNA2
UniProt Synonym Gene Names	RCH1; SRP1
UniProt Entry Name	IMA1_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.