

Canine Basement Membrane-Specific Heparan Sulfate Proteoglycan Core Protein ELISA Kit | HSPG2 elisa kit

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CATALOG #
AAA247442

REACTIVITY
Canine

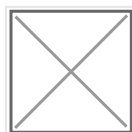
PRODUCT SYNONYMS

Basement Membrane-Specific Heparan Sulfate Proteoglycan Core Protein; Canine Basement Membrane-Specific Heparan Sulfate Proteoglycan Core Protein ELISA Kit; HSPG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPG2. No significant cross-reactivity or interference between HSPG2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSPG2 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	4391
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPG2 elisa kit	Intended Uses: This HSPG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine HSPG2. This ELISA kit for research use only! Principle of the Assay: HSPG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-HSPG2 antibody and an HSPG2-HRP conjugate. The assay sample and buffer are incubated together with HSPG2-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 HSPG2 concentration since HSPG2 from samples and HSPG2-HRP conjugate compete for the anti-HSPG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSPG2 from the sample, fewer sites are left to bind HSPG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSPG2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HSPG2 elisa kit	Signal Transduction; Metabolism; Cardiovascular; Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	126012571
NCBI GeneID	3339
NCBI Accession #	NP_005520.4
NCBI GenBank Nucleotide #	NM_005529.7
UniProt Accession #	P98160; Q16287; Q5SZI3; Q9H3V5
Molecular Weight	468,830 Da
NCBI Official Full Name	basement membrane-specific heparan sulfate proteoglycan core protein isoform b
NCBI Official Synonym Full Names	heparan sulfate proteoglycan 2
NCBI Official Symbol	HSPG2
NCBI Official Synonym Symbols	PLC; SJA; SJS; HSPG; SJS1; PRCAN
NCBI Protein Information	basement membrane-specific heparan sulfate proteoglycan core protein
UniProt Protein Name	Basement membrane-specific heparan sulfate proteoglycan core protein
UniProt Gene Name	HSPG2
UniProt Synonym Gene Names	HSPG; PLC

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/hspg2-canine-elisa-kits/basement-membrane-specific-heparan-sulfate-proteoglycan-core-protein/247442>