

Rat heparan sulfate proteoglycan 2 ELISA Kit | HSPG2 elisa kit

Rat heparan sulfate proteoglycan 2, HSPG2 ELISA Kit

CATALOG #
AAA80944

REACTIVITY
Rat

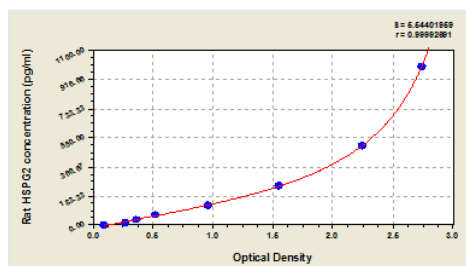
PRODUCT SYNONYMS

heparan sulfate proteoglycan 2; Rat heparan sulfate proteoglycan 2; HSPG2 ELISA Kit; Rat heparan sulfate proteoglycan 2 (HSPG2) ELISA kit; RP11-132G19.2; PLC; PRCAN; SJA; SJS; SJS1; Schwartz-Jampel syndrome 1 (chondrodystrophic myotonia) ; endorepellin (domain V region) ; heparan sulfate proteoglycan of basement membrane; perlecan proteogly; HSPG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat HSPG2. No significant cross-reactivity or interference between rat HSPG2 and analogues was observed.
Sequence Length	4392
Samples	Serum, plasma, cell culture supernates, bronchoalveolar lavage fluid, urine, tissue homogenates
Assay Type	Sandwich
Detection Range	15.6 pg/ml -1000 pg/ml.
Sensitivity	The minimum detectable dose of rat HSPG2 is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 HSPG2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HSPG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HSPG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HSPG2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HSPG2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	629266065
NCBI GeneID	3339
NCBI Accession #	NP_001278789.1
NCBI GenBank Nucleotide #	NM_001291860.1
UniProt Accession #	P98160; Q16287; Q5SZI3; Q9H3V5
Molecular Weight	468,830 Da
NCBI Official Full Name	basement membrane-specific heparan sulfate proteoglycan core protein isoform a
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; perlecan proteoglycan; endorepellin (domain V region)
UniProt Protein Name	Basement membrane-specific heparan sulfate proteoglycan core protein
UniProt Gene Name	HSPG2
UniProt Synonym Gene Names	HSPG; PLC
UniProt Entry Name	PGBM_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/hspg2-rat-elisa-kits/heparan-sulfate-proteoglycan-2/80944>