

Rat Calsequestrin-2 (CASQ2) ELISA Kit | CASQ2 elisa kit

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CATALOG #
AAA244355

REACTIVITY
Rat

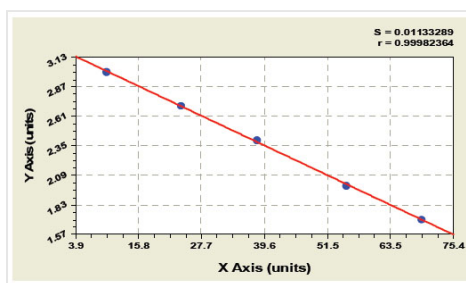
PRODUCT SYNONYMS

Calsequestrin-2 (CASQ2); Rat Calsequestrin-2 (CASQ2) ELISA Kit; CASQ2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This CASQ2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CASQ2. 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 CASQ2 elisa kit

Principle of the assay: CASQ2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CASQ2 antibody and an CASQ2-HRP conjugate. The assay sample and buffer are incubated together with CASQ2-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 CASQ2 concentration since CASQ2 from samples and CASQ2-HRP conjugate compete for the anti-CASQ2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASQ2 from the sample, fewer sites are left to bind CASQ2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASQ2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CASQ2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395727
NCBI GeneID	845
NCBI Accession #	NP_001223.2
NCBI GenBank Nucleotide #	NM_001232.3
Molecular Weight	46,436 Da
NCBI Official Full Name	calsequestrin-2
NCBI Official Synonym Full Names	calsequestrin 2 (cardiac muscle)
NCBI Official Symbol	CASQ2
NCBI Official Synonym Symbols	PDIB2
NCBI Protein Information	calsequestrin-2; calsequestrin, cardiac muscle isoform; calsequestrin 2, fast-twitch, cardiac muscle
UniProt Protein Name	Calsequestrin-2
UniProt Gene Name	CASQ2
UniProt Entry Name	CASQ2_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/rat-elisa-kits/calsequestrin-2-casq2/244355>