



Human Rho-associated coiled-coil containing protein kinase 2(Rock-2) ELISA Kit

Product Code	CSB-E14993h
Abbreviation	ROCK2
Target Name	Rho-associated, coiled-coil containing protein kinase 2
Uniprot No.	O75116
Alias	KIAA0619
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	7.8 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Signal Transduction
Gene Names	ROCK2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human ROCK2 ELISA Kit was designed for the quantitative measurement of Human ROCK2 protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 7.8 pg/mL.
Target Details	This protein is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho.
Product 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 (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human Rock-2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	94
	Range %	85-103
1:2	Average %	94
	Range %	86-103
1:4	Average %	95
	Range %	86-102
1:8	Average %	88
	Range %	83-100

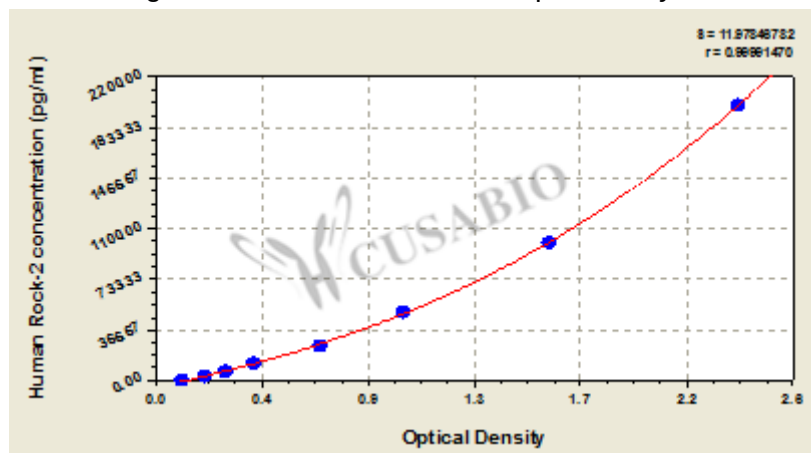
Recovery

The recovery of human Rock-2 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	97	91-101
EDTA plasma (n=4)	96	86-106

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
2000	2.352	2.417	2.385	2.268
1000	1.622	1.608	1.615	1.498
500	1.016	1.023	1.020	0.903
250	0.688	0.674	0.681	0.564
125	0.406	0.416	0.411	0.294
62.5	0.302	0.287	0.295	0.178
31.2	0.206	0.211	0.209	0.092
0	0.115	0.119	0.117	

Msds

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