Human Chimerin 1 (CHN1) ELISA Kit | CHN1 elisa kit

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CATALOG #	REACTIVITY
AAA190159	**Human**

PRODUCT SYNONYMS

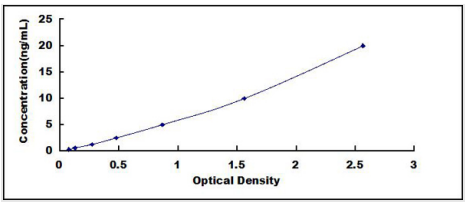
Chimerin 1 (CHN1); Human Chimerin 1 (CHN1) ELISA Kit; CHN1 ELISA kit (Human); Chimerin 1; CHN; DURS2; RhoGAP2; ARHGAP2; NC; N-Chimerin; Chimaerin; A-chimaerin; Alpha-chimerin; GTPase-Activating Protein; Rho 2; Duane Retraction Syndrome 2; CHN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Chimerin 1 (CHN1). No significant cross-reactivity or interference between Chimerin 1 (CHN1) and analogues was observed. Reactive with Human CHN1/Chimerin 1
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.112ng/mL
Sample Size	100uL
Detection Method	Colormetric
Featured Series	SE kit
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Chimerin 1 (CHN1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Chimerin 1 (CHN1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Function	Detects protein (regular version)
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 3 times 5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 6. Aspirate and wash 5 times 7. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 8. Add 50ul Stop Solution. Read at 450nm immediately.
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Chimerin 1 (CHN1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Chimerin 1 (CHN1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Chimerin 1 (CHN1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Chimerin 1 (CHN1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Research Area	Metabolic pathway
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life) 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21903393
NCBI GeneID	1123
UniProt Accession #	P15882; Q53SD6; Q53SH5; Q96FB0; A8K1M6; B3KNU6; B4DV19
Molecular Weight	459
NCBI Official Full Name	N-chimaerin
NCBI Official Synonym Full Names	chimerin 1
NCBI Official Symbol	CHN1
NCBI Official Synonym Symbols	NC; CHN; DURS2; ARHGAP2; RHOGAP2
NCBI Protein Information	N-chimaerin; n-chimerin; A-chimaerin; chimaerin 1; a2-chimaerin; alpha-chimerin; chimerin (chimaerin) 1; Rho GTPase-activating protein 2
UniProt Protein Name	N-chimaerin
UniProt Gene Name	**CHN1**
UniProt Synonym Gene Names	ARHGAP2; CHN; NC
UniProt Entry Name	CHIN_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/chimerin-1-chn1/190159