

Human Actin Related Protein 2/3 Complex Subunit 2 (ARPC2) ELISA Kit | ARPC2 elisa kit

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CATALOG #
AAA140021

REACTIVITY
Human

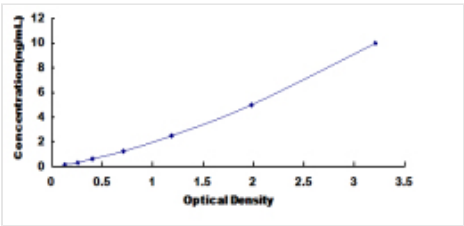
PRODUCT SYNONYMS

Actin Related Protein 2/3 Complex Subunit 2 (ARPC2); Human Actin Related Protein 2/3 Complex Subunit 2 (ARPC2) ELISA Kit; ARC34; PNAS-139; p34-Arc; Arp2/3 complex 34 kDa subunit; ARPC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Actin Related Protein 2/3 Complex Subunit 2 (ARPC2). No significant cross-reactivity or interference between Actin Related Protein 2/3 Complex Subunit 2 (ARPC2) and analogues was observed.
Sequence Length	300
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Actin Related Protein 2/3 Complex Subunit 2 (ARPC2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Actin Related Protein 2/3 Complex Subunit 2 (ARPC2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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)

ADDITIONAL INFORMATION

Related Product Information for ARPC2 elisa kit	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 Actin Related Protein 2/3 Complex Subunit 2 (ARPC2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Actin Related Protein 2/3 Complex Subunit 2 (ARPC2). 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 Actin Related Protein 2/3 Complex Subunit 2 (ARPC2), 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 Actin Related Protein 2/3 Complex Subunit 2 (ARPC2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ARPC2 elisa kit	Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	23238211
NCBI GeneID	10109
NCBI Accession #	NP_690601.1
NCBI GenBank Nucleotide #	NM_152862.2
UniProt Accession #	O15144; Q92801; Q9P1D4
Molecular Weight	34,333 Da
NCBI Official Full Name	actin-related protein 2/3 complex subunit 2
NCBI Official Synonym Full Names	actin related protein 2/3 complex, subunit 2, 34kDa
NCBI Official Symbol	ARPC2
NCBI Official Synonym Symbols	ARC34; PRO2446; p34-Arc; PNAS-139
NCBI Protein Information	actin-related protein 2/3 complex subunit 2
UniProt Protein Name	Actin-related protein 2/3 complex subunit 2
UniProt Gene Name	ARPC2
UniProt Synonym Gene Names	ARC34; p34-ARC
UniProt Entry Name	ARPC2_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.