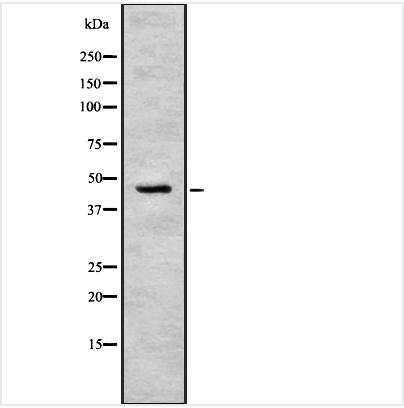
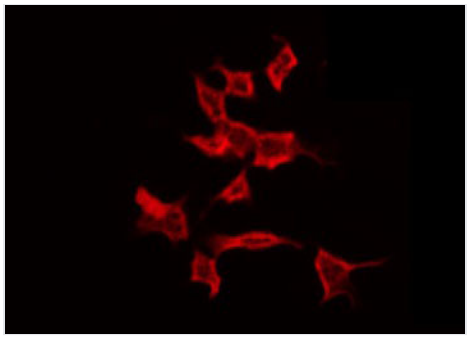
ARRDC4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

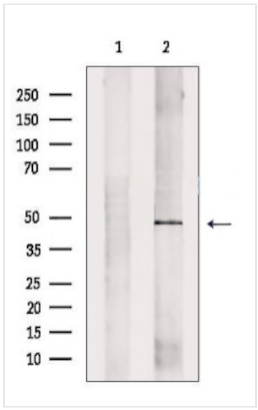
Product Name	ARRDC4, Polyclonal Antibody
Full Product Name	ARRDC4 Antibody
Product Gene Name	anti-ARRDC4 antibody
Product Synonym Names	ARRD4_HUMAN; ARRDC 4; ARRDC4; Arrestin domain containing protein 4; Arrestin domain-containing protein 4; FLJ36045
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific)
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	Arrdc4 peptide (MBS9619516) is used for blocking the activity of Arrdc4 antibody (MBS9602061)
Molecular Weight	45kDa
3D Structure	ModBase 3D Structure for Q8NCT1
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human Arrdc4, corresponding to a region within the internal amino acids.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ARRDC4 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (IHC)
Application Notes for anti-ARRDC4 antibody	WB 1:1000 IF/ICC 1:100-1:500 IHC 1:50-1:200 The optimal dilutions should be determined by the end user. **IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween20 at 4 degree C with gentle shaking, overnight.
Related Product Information for anti-ARRDC4 antibody	MBS9602061 is an antibody targeting ARRDC4. Also known as ARRDC4 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ARRDC4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



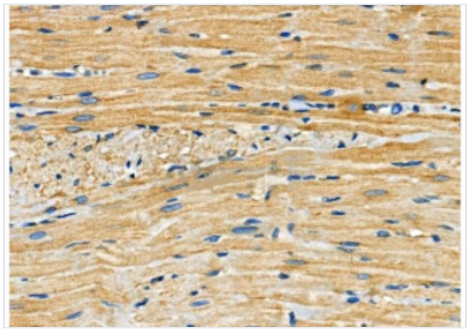
Western Blot (WB) of anti-ARRDC4 antibody
Western blot analysis of Arrdc4 using COLO205 whole cell lysates



Immunofluorescene (IF) of anti-ARRDC4 antibody
MBS9602061 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-ARRDC4 antibody
Western blot analysis of extracts from K562, using Arrdc4 Ab. The lane on the left was treated with blocking peptide.



Immunohistochemistry (IHC) of anti-ARRDC4 antibody
MBS9602061 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4 degree C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARRDC4. It may not necessarily be applicable to this product.

NCBI GI #	190886442
NCBI GeneID	91947
NCBI Accession #	NP_899232.2
UniProt Primary Accession #	Q8NCT1
UniProt Secondary Accession #	Q6NSI9
UniProt Related Accession #	Q8NCT1
GenBank Nucleotide #	NM_183376.2
NCBI Official Full Name	arrestin domain-containing protein 4
NCBI Official Synonym Full Names	arrestin domain containing 4
NCBI Official Symbol	ARRDC4
UniProt Protein Name	Arrestin domain-containing protein 4
Protein Family	Arrestin domain-containing protein
UniProt Gene Name	ARRDC4
NCBI Protein Information	arrestin domain-containing protein 4

UniProt Comments for ARRDC4	Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates (). Plays a role in endocytosis of activated G protein-coupled receptors (GPCRs) (Probable). Through an ubiquitination-dependent mechanism plays also a role in the incorporation of SLC11A2 into extracellular vesicles (). May play a role in glucose uptake (PubMed:19605364).
Research Articles on ARRDC4	**1.** data highlight new function of ARRDC4 in innate immunity, contributing to the better understanding about regulation of MDA5 activation after EV71 infection, and also suggest ARRDC4 may serve as a potential target for intervention of EV71-induced inflammatory response.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/arrdc4/9602061