XIRP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	XIRP1, Polyclonal Antibody
Full Product Name	XIRP1 Conjugated Antibody
Product Gene Name	anti-XIRP1 antibody
Product Synonym Names	Xin; CMYA1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total XIRP1 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
OMIM	AJ626899 mRNA
3D Structure	ModBase 3D Structure for Q702N8
Immunogen	Synthetic peptide of human XIRP1
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-XIRP1 antibody	Most Applications
Application Notes for anti-XIRP1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-XIRP1 antibody	MBS9452040 is an antibody targeting XIRP1. Also known as XIRP1 Conjugated Antibody. Reactive in Human. Host: Rabbit. Protects actin filaments from depolymerization.
Other Notes	Small volumes of anti-XIRP1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XIRP1. It may not necessarily be applicable to this product.

NCBI GI #	40255272
NCBI GeneID	165904

NCBI Accession #	NP_919269
UniProt Primary Accession #	Q702N8
UniProt Related Accession #	Q702N8
GenBank Nucleotide #	NP_919269.2
NCBI Official Full Name	xin actin-binding repeat-containing protein 1 isoform 1
NCBI Official Synonym Full Names	xin actin binding repeat containing 1
NCBI Official Symbol	XIRP1
NCBI Official Synonym Symbols	Xin; CMYA1
UniProt Protein Name	Xin actin-binding repeat-containing protein 1
UniProt Synonym Protein Names	Cardiomyopathy-associated protein 1
Protein Family	Xin actin-binding repeat-containing protein
UniProt Gene Name	XIRP1
UniProt Synonym Gene Names	CMYA1; XIN
NCBI Protein Information	xin actin-binding repeat-containing protein 1
NCBI Summary for XIRP1	The protein encoded by this gene is a striated muscle protein and belongs to the Xin actin-binding repeat-containing protein (XIRP) family. The protein functions to protect actin filaments during depolymerization. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]
UniProt Comments for XIRP1	CMYA1: Protects actin filaments from depolymerization. Belongs to the Xin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Actin-binding; Cell adhesion; Cell development/differentiation Chromosomal Location of Human Ortholog: 3p22.2 Cellular Component: filamentous actin; focal adhesion; stress fiber Molecular Function: actin binding; protein binding; RNA binding Biological Process: actin cytoskeleton organization; heart development; negative regulation of protein binding
Research Articles on XIRP1	**1.** Report pathogenic XIRP1/2 rare variants in arrhythmogenic disorders such as sudden unexplained nocturnal death syndrome and Brugada syndrome.
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